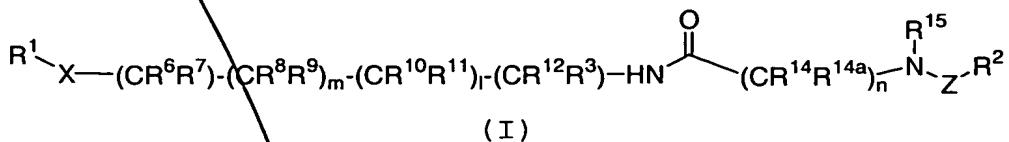


Claims:

1. A compound of Formula (I)



or a stereoisomer or a pharmaceutically acceptable salt thereof, wherein:

10 Z is selected from a bond,  $-\text{C}(\text{O})-$ ,  $-\text{C}(\text{O})\text{NH}-$ ,  $-\text{C}(\text{S})\text{NH}-$ ,  $-\text{SO}_2-$ , and  $-\text{SO}_2\text{NH}-$ ;

X is selected from  $-\text{NR}^{17}-$ ,  $-\text{O}-$ ,  $-\text{S}-$ , and  $-\text{CHR}^{16}\text{NR}^{17}-$ ;

15  $\text{R}^1$  is selected from a C<sub>6-10</sub> aryl group substituted with 0-5  $\text{R}^4$  and a 5-10 membered heteroaryl system containing 1-4 heteroatoms selected from N, O, and S, substituted with 0-3  $\text{R}^4$ ;

20  $\text{R}^2$  is selected from a C<sub>6-10</sub> aryl group substituted with 0-5  $\text{R}^5$  and a 5-10 membered heteroaryl system containing 1-4 heteroatoms selected from N, O, and S, substituted with 0-3  $\text{R}^5$ ;

25  $\text{R}^3$  is selected from H,  $(\text{CRR})_q\text{OH}$ ,  $(\text{CRR})_q\text{SH}$ ,  $(\text{CRR})_q\text{OR}^{3d}$ ,  $(\text{CRR})_q\text{S}(\text{O})_p\text{R}^{3d}$ ,  $(\text{CRR})_r\text{C}(\text{O})\text{R}^{3b}$ ,  $(\text{CRR})_q\text{NR}^{3a}\text{R}^{3a}$ ,  $(\text{CRR})_r\text{C}(\text{O})\text{NR}^{3a}\text{R}^{3a}$ ,  $(\text{CRR})_r\text{C}(\text{O})\text{NR}^{3a}\text{OR}^{3d}$ ,  $(\text{CRR})_q\text{SO}_2\text{NR}^{3a}\text{R}^{3a}$ ,  $(\text{CRR})_r\text{C}(\text{O})\text{OR}^{3d}$ , and a carbocyclic residue substituted with 0-5  $\text{R}^{3e}$ , and a 30 (CRR)<sub>r</sub>-5-10 membered heterocyclic system containing 1-4 heteroatoms selected from N, O, and S, substituted with 0-3  $\text{R}^{3e}$ ;

with the proviso that  $\text{R}^3$  is not H if  $\text{R}^6$  is H.

alternatively, R<sup>3</sup> and R<sup>12</sup> join to form a C<sub>3-6</sub> cycloalkyl substituted with 0-2 R<sup>3g</sup>, a C<sub>5-6</sub> lactam substituted with 0-2 R<sup>3g</sup>, or a C<sub>5-6</sub> lactone substituted with 0-2 R<sup>3g</sup>;

B1  
Cont

R<sup>3a</sup>, at each occurrence, is independently selected from H, methyl substituted with 0-1 R<sup>3c</sup>, C<sub>2-6</sub> alkyl substituted with 0-3 R<sup>3e</sup>, C<sub>3-8</sub> alkenyl substituted with 0-3 R<sup>3e</sup>, C<sub>3-8</sub> alkynyl substituted with 0-3 R<sup>3e</sup>, (CH<sub>2</sub>)<sub>r</sub>C<sub>3-6</sub> cycloalkyl, a (CH<sub>2</sub>)<sub>r</sub>-C<sub>3-10</sub> carbocyclic residue substituted with 0-5 R<sup>3e</sup>, and a (CH<sub>2</sub>)<sub>r</sub>-5-10 membered heterocyclic system containing 1-4 heteroatoms selected from N, O, and S, substituted with 0-3 R<sup>3e</sup>;

R<sup>3b</sup>, at each occurrence, is independently selected from C<sub>1-6</sub> alkyl substituted with 0-3 R<sup>3e</sup>, C<sub>2-8</sub> alkenyl substituted with 0-3 R<sup>3e</sup>, C<sub>2-8</sub> alkynyl substituted with 0-3 R<sup>3e</sup>, a (CH<sub>2</sub>)<sub>r</sub>-C<sub>3-6</sub> carbocyclic residue substituted with 0-2 R<sup>3e</sup>, and a (CH<sub>2</sub>)<sub>r</sub>-5-6 membered heterocyclic system containing 1-4 heteroatoms selected from N, O, and S, substituted with 0-3 R<sup>3e</sup>;

R<sup>3c</sup> is independently selected from -C(O)R<sup>3b</sup>, -C(O)OR<sup>3d</sup>, -C(O)NR<sup>3f</sup>R<sup>3f</sup>, and (CH<sub>2</sub>)<sub>r</sub>phenyl;

R<sup>3d</sup>, at each occurrence, is independently selected from H, methyl, -CF<sub>3</sub>, C<sub>2-6</sub> alkyl substituted with 0-3 R<sup>3e</sup>, C<sub>3-6</sub> alkenyl substituted with 0-3 R<sup>3e</sup>, C<sub>3-6</sub> alkynyl substituted with 0-3 R<sup>3e</sup>, a C<sub>3-10</sub> carbocyclic residue substituted with 0-3 R<sup>3e</sup>, and a (CH<sub>2</sub>)<sub>r</sub>-5-6 membered

*heterocyclic system containing 1-4 heteroatoms  
selected from N, O, and S, substituted with 0-3 R<sup>3e</sup>;*

*R<sup>3e</sup>, at each occurrence, is selected from C<sub>1-6</sub> alkyl, C<sub>2-8</sub> alkenyl, C<sub>2-8</sub> alkynyl, C<sub>3-6</sub> cycloalkyl, Cl, F, Br, I, CN, NO<sub>2</sub>, (CF<sub>2</sub>)<sub>r</sub>CF<sub>3</sub>, (CH<sub>2</sub>)<sub>r</sub>OC<sub>1-5</sub> alkyl, OH, SH, (CH<sub>2</sub>)<sub>r</sub>SC<sub>1-5</sub> alkyl, (CH<sub>2</sub>)<sub>r</sub>NR<sup>3f</sup>R<sup>3f</sup>, and (CH<sub>2</sub>)<sub>r</sub>phenyl;*

*R<sup>3f</sup>, at each occurrence, is selected from H, C<sub>1-6</sub> alkyl,  
and C<sub>3-6</sub> cycloalkyl;*

*R<sup>3g</sup> is selected from (CHR)<sub>q</sub>OH, (CHR)<sub>q</sub>SH, (CHR)<sub>q</sub>OR<sup>3d</sup>,  
(CHR)<sub>q</sub>S(O)<sub>p</sub>R<sup>3d</sup>, (CHR)<sub>r</sub>C(O)R<sup>3b</sup>, (CHR)<sub>q</sub>NR<sup>3a</sup>R<sup>3a</sup>,  
(CHR)<sub>r</sub>C(O)NR<sup>3a</sup>R<sup>3a</sup>, (CHR)<sub>r</sub>C(O)NR<sup>3a</sup>OR<sup>3d</sup>,  
(CHR)<sub>q</sub>SO<sub>2</sub>NR<sup>3a</sup>R<sup>3a</sup>, (CHR)<sub>r</sub>C(O)OR<sup>3d</sup>, and a (CHR)<sub>r</sub>-C<sub>3-10</sub> carbocyclic residue substituted with 0-5 R<sup>3e</sup>;*

*R, at each occurrence, is independently selected from H, C<sub>1-6</sub> alkyl, C<sub>2-8</sub> alkenyl, C<sub>2-8</sub> alkynyl, (CH<sub>2</sub>)<sub>r</sub>C<sub>3-6</sub> cycloalkyl, (CHR)<sub>r</sub>C(O)NR<sup>3a</sup>R<sup>3a</sup>, and (CHR)<sub>r</sub>C(O)OR<sup>3d</sup>, and (CH<sub>2</sub>)<sub>r</sub>phenyl substituted with R<sup>3e</sup>;*

*R<sup>4</sup>, at each occurrence, is selected from C<sub>1-8</sub> alkyl, C<sub>2-8</sub> alkenyl, C<sub>2-8</sub> alkynyl, (CH<sub>2</sub>)<sub>r</sub>C<sub>3-6</sub> cycloalkyl, Cl, Br, I, F, NO<sub>2</sub>, CN, (CR'R')<sub>r</sub>NR<sup>4a</sup>R<sup>4a</sup>, (CR'R')<sub>r</sub>OH,  
(CR'R')<sub>r</sub>O(CR'R')<sub>r</sub>R<sup>4d</sup>, (CR'R')<sub>r</sub>SH, (CR'R')<sub>r</sub>C(O)H,  
(CR'R')<sub>r</sub>S(CR'R')<sub>r</sub>R<sup>4d</sup>, (CR'R')<sub>r</sub>C(O)OH,  
(CR'R')<sub>r</sub>C(O)(CR'R')<sub>r</sub>R<sup>4b</sup>, (CR'R')<sub>r</sub>C(O)NR<sup>4a</sup>R<sup>4a</sup>,  
(CR'R')<sub>r</sub>NR<sup>4f</sup>C(O)(CR'R')<sub>r</sub>R<sup>4b</sup>, (CR'R')<sub>r</sub>C(O)O(CR'R')<sub>r</sub>R<sup>4d</sup>,  
(CR'R')<sub>r</sub>OC(O)(CR'R')<sub>r</sub>R<sup>4b</sup>,  
(CR'R')<sub>r</sub>NR<sup>4f</sup>C(O)O(CR'R')<sub>r</sub>R<sup>4d</sup>, (CR'R')<sub>r</sub>OC(O)NR<sup>4a</sup>R<sup>4a</sup>,  
(CR'R')<sub>r</sub>NR<sup>6a</sup>C(S)NR<sup>6a</sup>(CR'R')<sub>r</sub>R<sup>6d</sup>,  
(CR'R')<sub>r</sub>NR<sup>4a</sup>C(O)NR<sup>4a</sup>R<sup>4a</sup>, (CR'R')<sub>r</sub>C(=NR<sup>4f</sup>)NR<sup>4a</sup>R<sup>4a</sup>,*

*21*  
*cont*

$(CR'R')_rNHC(=NR^{4f})NR^{4f}R^{4f}$ ,  $(CR'R')_rS(O)_p(CR'R')_rR^{4b}$ ,  
 $(CR'R')_rS(O)_2NR^{4a}R^{4a}$ ,  $(CR'R')_rNR^{6f}S(O)_2NR^{6a}R^{6a}$ ,  
 $(CR'R')_rNR^{4f}S(O)_2(CR'R')_rR^{4b}$ ,  $C_{1-6}$  haloalkyl,  $C_{2-8}$  alkenyl substituted with 0-3  $R'$ ,  $C_{2-8}$  alkynyl substituted with 0-3  $R'$ , and  $(CR'R')_r$  phenyl substituted with 0-3  $R^{4e}$ ;

alternatively, two  $R^4$  on adjacent atoms on  $R^1$  may join to form a cyclic acetal;

10  $R^{4a}$ , at each occurrence, is independently selected from H, methyl substituted with 0-1  $R^{4g}$ ,  $C_{2-6}$  alkyl substituted with 0-2  $R^{5e}$ ,  $C_{3-8}$  alkenyl substituted with 0-2  $R^{5e}$ ,  $C_{3-8}$  alkynyl substituted with 0-2  $R^{5e}$ , a  $(CH_2)_r-C_{3-10}$  carbocyclic residue substituted with 0-5  $R^{4e}$ , and a  $(CH_2)_r$ -5-10 membered heterocyclic system containing 1-4 heteroatoms selected from N, O, and S, substituted with 0-2  $R^{4e}$ ;

15  $R^{4b}$ , at each occurrence, is selected from  $C_{1-6}$  alkyl substituted with 0-2  $R^{5e}$ ,  $C_{3-8}$  alkenyl substituted with 0-2  $R^{5e}$ ,  $C_{3-8}$  alkynyl substituted with 0-2  $R^{5e}$ , a  $(CH_2)_rC_{3-6}$  carbocyclic residue substituted with 0-3  $R^{4e}$ , and a  $(CH_2)_r$ -5-6 membered heterocyclic system containing 1-4 heteroatoms selected from N, O, and S, substituted with 0-2  $R^{4e}$ ;

20  $R^{4d}$ , at each occurrence, is selected from  $C_{3-8}$  alkenyl substituted with 0-2  $R^{5e}$ ,  $C_{3-8}$  alkynyl substituted with 0-2  $R^{5e}$ , methyl,  $CF_3$ ,  $C_{2-6}$  alkyl substituted with 0-3  $R^{4e}$ , a  $(CH_2)_r-C_{3-10}$  carbocyclic residue substituted with 0-3  $R^{4e}$ , and a  $(CH_2)_r$ -5-6 membered heterocyclic system containing 1-4 heteroatoms selected from N, O, and S, substituted with 0-3  $R^{4e}$ ;

25

30

35

*R<sup>4e</sup>, at each occurrence, is selected from C<sub>1-6</sub> alkyl, C<sub>2-8</sub> alkenyl, C<sub>2-8</sub> alkynyl, (CH<sub>2</sub>)<sub>r</sub>C<sub>3-6</sub> cycloalkyl, Cl, F, Br, I, CN, NO<sub>2</sub>, (CF<sub>2</sub>)<sub>r</sub>CF<sub>3</sub>, (CH<sub>2</sub>)<sub>r</sub>OC<sub>1-5</sub> alkyl, OH, SH, (CH<sub>2</sub>)<sub>r</sub>SC<sub>1-5</sub> alkyl, (CH<sub>2</sub>)<sub>r</sub>NR<sup>4f</sup>R<sup>4f</sup>, and (CH<sub>2</sub>)<sub>r</sub>phenyl;*

5

*R<sup>4f</sup>, at each occurrence, is selected from H, C<sub>1-5</sub> alkyl, and C<sub>3-6</sub> cycloalkyl, and phenyl;*

10

*R<sup>4g</sup> is independently selected from -C(O)R<sup>4b</sup>, -C(O)OR<sup>4d</sup>, -C(O)NR<sup>4f</sup>R<sup>4f</sup>, and (CH<sub>2</sub>)<sub>r</sub>phenyl;*

15

*R<sup>5</sup>, at each occurrence, is selected from C<sub>1-8</sub> alkyl, C<sub>2-8</sub> alkenyl, C<sub>2-8</sub> alkynyl, (CH<sub>2</sub>)<sub>r</sub>C<sub>3-6</sub> cycloalkyl, Cl, Br, I, F, NO<sub>2</sub>, CN, (CR'R')<sub>r</sub>NR<sup>5a</sup>R<sup>5a</sup>, (CR'R')<sub>r</sub>OH,*

20

*(CR'R')<sub>r</sub>O(CR'R')<sub>r</sub>R<sup>5d</sup>, (CR'R')<sub>r</sub>SH, (CR'R')<sub>r</sub>C(O)H,*

*(CR'R')<sub>r</sub>S(CR'R')<sub>r</sub>R<sup>5d</sup>, (CR'R')<sub>r</sub>C(O)OH,*

*(CR'R')<sub>r</sub>C(O)(CR'R')<sub>r</sub>R<sup>5b</sup>, (CR'R')<sub>r</sub>C(O)NR<sup>5a</sup>R<sup>5a</sup>,*

*(CR'R')<sub>r</sub>NR<sup>5f</sup>C(O)(CR'R')<sub>r</sub>R<sup>5b</sup>, (CR'R')<sub>r</sub>C(O)O(CR'R')<sub>r</sub>R<sup>5d</sup>,*

*(CR'R')<sub>r</sub>OC(O)(CR'R')<sub>r</sub>R<sup>5b</sup>, CR(R')<sub>r</sub>NR<sup>5f</sup>C(O)O(CR'R')<sub>r</sub>R<sup>5d</sup>,*

25

*(CR'R')<sub>r</sub>OC(O)NR<sup>5a</sup>R<sup>5a</sup>, (CR'R')<sub>r</sub>NR<sup>5a</sup>C(O)NR<sup>5a</sup>R<sup>5a</sup>,*

*(CR'R')<sub>r</sub>C(=NR<sup>5f</sup>)NR<sup>5a</sup>R<sup>5a</sup>, (CR'R')<sub>r</sub>NHC(=NR<sup>5f</sup>)NR<sup>5f</sup>R<sup>5f</sup>,*

*(CR'R')<sub>r</sub>S(O)<sub>p</sub>(CR'R')<sub>r</sub>R<sup>5b</sup>, (CR'R')<sub>r</sub>S(O)<sub>2</sub>NR<sup>5a</sup>R<sup>5a</sup>,*

*(CR'R')<sub>r</sub>NR<sup>5a</sup>S(O)<sub>2</sub>NR<sup>5a</sup>R<sup>5a</sup>, (CR'R')<sub>r</sub>NR<sup>5f</sup>S(O)<sub>2</sub>(CR'R')<sub>r</sub>R<sup>5b</sup>,*

*C<sub>1-6</sub> haloalkyl, C<sub>2-8</sub> alkenyl substituted with 0-3 R',*

30

*C<sub>2-8</sub> alkynyl substituted with 0-3 R', and*

*(CR'R')<sub>r</sub>phenyl substituted with 0-3 R<sup>5e</sup>;*

*alternatively, two R<sup>5</sup> on adjacent atoms on R<sup>2</sup> may join to form a cyclic acetal;*

*R<sup>5a</sup>, at each occurrence, is independently selected from H, methyl substituted with 0-1 R<sup>5g</sup>, C<sub>2-6</sub> alkyl substituted with 0-2 R<sup>5e</sup>, C<sub>3-8</sub> alkenyl substituted with 0-2 R<sup>5e</sup>, C<sub>3-8</sub> alkynyl substituted with 0-2 R<sup>5e</sup>,*

~~a  $(CH_2)_r$ -C<sub>3-10</sub> carbocyclic residue substituted with 0-5 R<sup>5e</sup>, and a  $(CH_2)_r$ -5-10 membered heterocyclic system containing 1-4 heteroatoms selected from N, O, and S, substituted with 0-2 R<sup>5e</sup>;~~

$R^{5b}$ , at each occurrence, is independently selected from  $C_{1-6}$  alkyl substituted with 0-2  $R^{5e}$ ,  $C_{3-8}$  alkenyl substituted with 0-2  $R^{5e}$ ,  $C_{3-8}$  alkynyl substituted with 0-2  $R^{5e}$ , a  $(CH_2)_rC_{3-6}$  carbocyclic residue substituted with 0-3  $R^{5e}$ , and a  $(CH_2)_r-5-6$  membered heterocyclic system containing 1-4 heteroatoms selected from N, O, and S, substituted with 0-2  $R^{5e}$ ;

$R^{5d}$ , at each occurrence, is independently selected from  $C_{3-8}$  alkenyl substituted with 0-2  $R^{5e}$ ,  $C_{3-8}$  alkynyl substituted with 0-2  $R^{5e}$ , methyl,  $CF_3$ ,  $C_{2-6}$  alkyl substituted with 0-3  $R^{5e}$ , a  $(CH_2)_r-C_{3-10}$  carbocyclic residue substituted with 0-3  $R^{5e}$ , and a  $(CH_2)_r-5-6$  membered heterocyclic system containing 1-4 heteroatoms selected from N, O, and S, substituted with 0-3  $R^{5e}$ ;

$R^{5e}$ , at each occurrence, is selected from C<sub>1-6</sub> alkyl, C<sub>2-8</sub> alkenyl, C<sub>2-8</sub> alkynyl, (CH<sub>2</sub>)<sub>r</sub>C<sub>3-6</sub> cycloalkyl, Cl, F, Br, I, CN, NO<sub>2</sub>, (CF<sub>2</sub>)<sub>r</sub>CF<sub>3</sub>, (CH<sub>2</sub>)<sub>r</sub>OC<sub>1-5</sub> alkyl, OH, SH, (CH<sub>2</sub>)<sub>r</sub>SC<sub>1-5</sub> alkyl, (CH<sub>2</sub>)<sub>r</sub>NR<sup>5f</sup>R<sup>5f</sup>, and (CH<sub>2</sub>)<sub>r</sub>phenyl;

$R^{5f}$ , at each occurrence, is selected from H, C<sub>1-5</sub> alkyl, and C<sub>3-6</sub> cycloalkyl, and phenyl;

30  $R^{5g}$  is independently selected from  $-C(O)R^{5b}$ ,  $-C(O)OR^{5d}$ ,  
 $-C(O)NR^{5f}R^{5f}$ , and  $(CH_2)_r$ phenyl;

*R'*, at each occurrence, is selected from H, C<sub>1-6</sub> alkyl, C<sub>2-8</sub> alkenyl, C<sub>2-8</sub> alkynyl, (CH<sub>2</sub>)<sub>r</sub>C<sub>3-6</sub> cycloalkyl, and (CH<sub>2</sub>)<sub>r</sub>phenyl substituted with R<sup>5e</sup>;

*B*  
*Cont*

5 R<sup>6</sup>, is selected from H, C<sub>1-6</sub> alkyl, C<sub>2-6</sub> alkenyl, C<sub>2-6</sub> alkynyl, (CRR)<sub>q</sub>OH, (CRR)<sub>q</sub>SH, (CRR)<sub>q</sub>OR<sup>6d</sup>, (CRR)<sub>q</sub>S(O)<sub>p</sub>R<sup>6d</sup>, (CRR)<sub>r</sub>C(O)R<sup>6b</sup>, (CRR)<sub>r</sub>NR<sup>6a</sup>R<sup>6a</sup>, (CRR)<sub>r</sub>C(O)NR<sup>6a</sup>R<sup>6a</sup>, (CRR)<sub>r</sub>C(O)NR<sup>6a</sup>OR<sup>6d</sup>, (CRR)SO<sub>2</sub>NR<sup>6a</sup>R<sup>6a</sup>, (CRR)<sub>r</sub>C(O)OR<sup>6d</sup>, a (CRR)<sub>r</sub>-C<sub>3-10</sub> carbocyclic residue substituted with 0-5 R<sup>6e</sup>, and a (CRR)<sub>r</sub>-5-10 membered heterocyclic system containing 1-4 heteroatoms selected from N, O, and S, substituted with 0-3 R<sup>6e</sup>;

10  
15 alternatively, R<sup>6</sup> and R<sup>7</sup> join to form a C<sub>3-6</sub> cycloalkyl substituted with 0-2 R<sup>6g</sup>, a 5-6 membered ring lactam substituted with 0-2 R<sup>6g</sup>, or a 5-6 membered ring lactone substituted with 0-2 R<sup>6g</sup>;

20 R<sup>6a</sup>, at each occurrence, is independently selected from H, methyl, C<sub>2-6</sub> alkyl substituted with 0-3 R<sup>6e</sup>, C<sub>3-8</sub> alkenyl substituted with 0-3 R<sup>6e</sup>, C<sub>3-8</sub> alkynyl substituted with 0-3 R<sup>6e</sup>, (CH<sub>2</sub>)<sub>r</sub>C<sub>3-6</sub> cycloalkyl, a (CH<sub>2</sub>)<sub>r</sub>-C<sub>3-10</sub> carbocyclic residue substituted with 0-5 R<sup>6e</sup>, and a (CH<sub>2</sub>)<sub>r</sub>-5-10 membered heterocyclic system containing 1-4 heteroatoms selected from N, O, and S, substituted with 0-3 R<sup>6e</sup>;

25  
30 R<sup>6b</sup>, at each occurrence, is independently selected from C<sub>1-6</sub> alkyl substituted with 0-3 R<sup>6e</sup>, C<sub>2-8</sub> alkenyl substituted with 0-3 R<sup>6e</sup>, C<sub>2-8</sub> alkynyl substituted with 0-3 R<sup>6e</sup>, a (CH<sub>2</sub>)<sub>r</sub>-C<sub>3-6</sub> carbocyclic residue substituted with 0-2 R<sup>6e</sup>, and a (CH<sub>2</sub>)<sub>r</sub>-5-6 membered

heterocyclic system containing 1-4 heteroatoms  
selected from N, O, and S, substituted with 0-3 R<sup>6e</sup>;

5 R<sup>6d</sup>, at each occurrence, is independently selected from H,  
methyl, -CF<sub>3</sub>, C<sub>2-6</sub> alkyl substituted with 0-3 R<sup>6e</sup>,  
C<sub>3-6</sub> alkenyl substituted with 0-3 R<sup>6e</sup>, C<sub>3-6</sub> alkynyl  
substituted with 0-3 R<sup>6e</sup>, a C<sub>3-10</sub> carbocyclic residue  
substituted with 0-3 R<sup>6e</sup>, and a (CH<sub>2</sub>)<sub>r</sub>-5-6 membered  
heterocyclic system containing 1-4 heteroatoms

10 selected from N, O, and S, substituted with 0-3 R<sup>6e</sup>;

R<sup>6e</sup>, at each occurrence, is independently selected from  
C<sub>1-6</sub> alkyl, C<sub>2-8</sub> alkenyl, C<sub>2-8</sub> alkynyl, C<sub>3-6</sub>  
cycloalkyl, Cl, F, Br, I, CN, NO<sub>2</sub>, (CF<sub>2</sub>)<sub>r</sub>CF<sub>3</sub>,  
15 (CH<sub>2</sub>)<sub>r</sub>OC<sub>1-5</sub> alkyl, OH, -O-C<sub>1-6</sub> alkyl, SH, (CH<sub>2</sub>)<sub>r</sub>SC<sub>1-5</sub>  
alkyl, (CH<sub>2</sub>)<sub>r</sub>NR<sup>6f</sup>R<sup>6f</sup>, and (CH<sub>2</sub>)<sub>r</sub>phenyl;

R<sup>6f</sup>, at each occurrence, is independently selected from H,  
C<sub>1-6</sub> alkyl, and C<sub>3-6</sub> cycloalkyl;

20 R<sup>6g</sup> is selected from (CHR)<sub>q</sub>OH, (CHR)<sub>q</sub>SH, (CHR)<sub>q</sub>OR<sup>6d</sup>,  
(CHR)<sub>q</sub>S(O)<sub>p</sub>R<sup>6d</sup>, (CHR)<sub>r</sub>C(O)R<sup>6b</sup>, (CHR)<sub>q</sub>NR<sup>6a</sup>R<sup>6a</sup>,  
(CHR)<sub>r</sub>C(O)NR<sup>6a</sup>R<sup>6a</sup>, (CHR)<sub>r</sub>C(O)NR<sup>6a</sup>OR<sup>6d</sup>,  
(CHR)<sub>q</sub>SO<sub>2</sub>NR<sup>6a</sup>R<sup>6a</sup>, (CHR)<sub>r</sub>C(O)OR<sup>6d</sup>, and a (CHR)<sub>r</sub>-C<sub>3-10</sub>  
25 carbocyclic residue substituted with 0-5 R<sup>6e</sup>;

R<sup>7</sup>, is selected from H, C<sub>1-6</sub> alkyl, C<sub>2-6</sub> alkenyl, C<sub>2-6</sub>  
alkynyl, (CRR)<sub>q</sub>OH, (CRR)<sub>q</sub>SH, (CRR)<sub>q</sub>OR<sup>7d</sup>,  
(CRR)<sub>q</sub>S(O)<sub>p</sub>R<sup>7d</sup>, (CRR)<sub>r</sub>C(O)R<sup>7b</sup>, (CRR)<sub>r</sub>NR<sup>7a</sup>R<sup>7a</sup>,  
30 (CRR)<sub>r</sub>C(O)NR<sup>7a</sup>R<sup>7a</sup>, (CRR)<sub>r</sub>C(O)NR<sup>7a</sup>OR<sup>7d</sup>,  
(CRR)<sub>q</sub>SO<sub>2</sub>NR<sup>7a</sup>R<sup>7a</sup>, (CRR)<sub>r</sub>C(O)OR<sup>7d</sup>, a (CRR)<sub>r</sub>-C<sub>3-10</sub>  
carbocyclic residue substituted with 0-5 R<sup>7e</sup>, and a

HETEROALKYL RESIDUE

B  
Cont

~~(CRR)<sub>r</sub>-5-10 membered heterocyclic system containing 1-4 heteroatoms selected from N, O, and S, substituted with 0-3 R<sup>7e</sup>;~~

*B1*  
5  
Cont

~~R<sup>7a</sup>, at each occurrence, is independently selected from H, methyl, C<sub>1-6</sub> alkyl substituted with 0-3 R<sup>7e</sup>, C<sub>3-8</sub> alkenyl substituted with 0-3 R<sup>7e</sup>, C<sub>3-8</sub> alkynyl substituted with 0-3 R<sup>7e</sup>, (CH<sub>2</sub>)<sub>r</sub>C<sub>3-6</sub> cycloalkyl, a (CH<sub>2</sub>)<sub>r</sub>-C<sub>3-10</sub> carbocyclic residue substituted with 0-5 R<sup>7e</sup>, and a (CH<sub>2</sub>)<sub>r</sub>-5-10 membered heterocyclic system containing 1-4 heteroatoms selected from N, O, and S, substituted with 0-3 R<sup>7e</sup>;~~

10

~~R<sup>7b</sup>, at each occurrence, is independently selected from C<sub>1-6</sub> alkyl substituted with 0-3 R<sup>7e</sup>, C<sub>2-8</sub> alkenyl substituted with 0-3 R<sup>7e</sup>, C<sub>2-8</sub> alkynyl substituted with 0-3 R<sup>7e</sup>, a (CH<sub>2</sub>)<sub>r</sub>-C<sub>3-6</sub> carbocyclic residue substituted with 0-2 R<sup>7e</sup>, and a (CH<sub>2</sub>)<sub>r</sub>-5-6 membered heterocyclic system containing 1-4 heteroatoms selected from N, O, and S, substituted with 0-3 R<sup>7e</sup>;~~

20

~~R<sup>7d</sup>, at each occurrence, is independently selected from H, methyl, -CF<sub>3</sub>, C<sub>2-6</sub> alkyl substituted with 0-3 R<sup>7e</sup>, C<sub>3-6</sub> alkenyl substituted with 0-3 R<sup>7e</sup>, C<sub>3-6</sub> alkynyl substituted with 0-3 R<sup>7e</sup>, a C<sub>3-10</sub> carbocyclic residue substituted with 0-3 R<sup>7e</sup>, and a (CH<sub>2</sub>)<sub>r</sub>-5-6 membered heterocyclic system containing 1-4 heteroatoms selected from N, O, and S, substituted with 0-3 R<sup>7e</sup>;~~

25

30 R<sup>7e</sup>, at each occurrence, is independently selected from C<sub>1-6</sub> alkyl, C<sub>2-8</sub> alkenyl, C<sub>2-8</sub> alkynyl, C<sub>3-6</sub> cycloalkyl, Cl, F, Br, I, CN, NO<sub>2</sub>, (CF<sub>2</sub>)<sub>r</sub>CF<sub>3</sub>,

~~$(CH_2)_rOC_{1-5}$  alkyl, OH,  $-O-C_{1-6}$  alkyl, SH,  $(CH_2)_rSC_{1-5}$  alkyl,  $(CH_2)_rNR^{7f}R^{7f}$ , and  $(CH_2)_r$ phenyl;~~

*B*  
*Cont*  
 ~~$R^{7f}$ , at each occurrence, is independently selected from H,  $C_{1-6}$  alkyl, and  $C_{3-6}$  cycloalkyl;~~

~~$R^8$  is selected from H,  $C_{1-6}$  alkyl,  $C_{2-6}$  alkenyl,  $C_{2-6}$  alkynyl,  $(CRR)_rOH$ ,  $(CRR)_rSH$ ,  $(CRR)_rOR^{8d}$ ,~~

~~$(CRR)_rS(O)_pR^{8d}$ ,  $(CRR)_rC(O)R^{8b}$ ,  $(CRR)_rNR^{8a}R^{8a}$ ,~~

~~$(CRR)_rC(O)NR^{8a}R^{8a}$ ,  $(CRR)_rC(O)NR^{8a}OR^{8d}$ ,~~

~~$(CRR)_rSO_2NR^{8a}R^{8a}$ ,  $(CRR)_rC(O)OR^{8d}$ , a  $(CRR)_r-C_{3-10}$~~

~~carbocyclic residue substituted with 0-5  $R^{8e}$ , and a  $(CRR)_r-5-10$  membered heterocyclic system containing 1-4 heteroatoms selected from N, O, and S, substituted with 0-3  $R^{8e}$ ;~~

~~alternatively,  $R^8$  and  $R^9$  join to form a  $C_{3-6}$  cycloalkyl substituted with 0-2  $R^{8g}$ , a 5-6 membered ring lactam substituted with 0-2  $R^{8g}$ , or a 5-6 membered ring lactone substituted with 0-2  $R^{8g}$ ;~~

~~$R^{8a}$ , at each occurrence, is independently selected from H, methyl,  $C_{2-6}$  alkyl substituted with 0-3  $R^{8e}$ ,  $C_{3-8}$  alkenyl substituted with 0-3  $R^{8e}$ ,  $C_{3-8}$  alkynyl substituted with 0-3  $R^{8e}$ ,  $(CH_2)_rC_{3-6}$  cycloalkyl, a  $(CH_2)_r-C_{3-10}$  carbocyclic residue substituted with 0-5  $R^{8e}$ , and a  $(CH_2)_r-5-10$  membered heterocyclic system containing 1-4 heteroatoms selected from N, O, and S, substituted with 0-3  $R^{8e}$ ;~~

~~25  $R^{8b}$ , at each occurrence, is independently selected from  $C_{1-6}$  alkyl substituted with 0-3  $R^{8e}$ ,  $C_{2-8}$  alkenyl substituted with 0-3  $R^{8e}$ ,  $C_{2-8}$  alkynyl substituted with 0-3  $R^{8e}$ ;~~

~~30  $R^{8c}$ , at each occurrence, is independently selected from  $C_{1-6}$  alkyl substituted with 0-3  $R^{8e}$ ,  $C_{2-8}$  alkenyl substituted with 0-3  $R^{8e}$ ,  $C_{2-8}$  alkynyl substituted with 0-3  $R^{8e}$ ,  $C_{3-8}$  alkenyl substituted with 0-3  $R^{8e}$ ,  $C_{3-8}$  alkynyl substituted with 0-3  $R^{8e}$ , a  $(CH_2)_r-C_{3-10}$  carbocyclic residue substituted with 0-5  $R^{8e}$ , and a  $(CH_2)_r-5-10$  membered heterocyclic system containing 1-4 heteroatoms selected from N, O, and S, substituted with 0-3  $R^{8e}$ ;~~

with 0-3 R<sup>8e</sup>, a (CH<sub>2</sub>)<sub>r</sub>-C<sub>3-6</sub> carbocyclic residue substituted with 0-2 R<sup>8e</sup>, and a (CH<sub>2</sub>)<sub>r</sub>-5-6 membered heterocyclic system containing 1-4 heteroatoms selected from N, O, and S, substituted with 0-3 R<sup>8e</sup>;

DI  
cont

R<sup>8d</sup>, at each occurrence, is independently selected from H, methyl, -CF<sub>3</sub>, C<sub>2-6</sub> alkyl substituted with 0-3 R<sup>8e</sup>, C<sub>3-6</sub> alkenyl substituted with 0-3 R<sup>8e</sup>, C<sub>3-6</sub> alkynyl substituted with 0-3 R<sup>8e</sup>, a C<sub>3-10</sub> carbocyclic residue substituted with 0-3 R<sup>8e</sup>, and a (CH<sub>2</sub>)<sub>r</sub>-5-6 membered heterocyclic system containing 1-4 heteroatoms selected from N, O, and S, substituted with 0-3 R<sup>8e</sup>;

10

R<sup>8e</sup>, at each occurrence, is independently selected from C<sub>1-6</sub> alkyl, C<sub>2-8</sub> alkenyl, C<sub>2-8</sub> alkynyl, C<sub>3-6</sub> cycloalkyl, Cl, F, Br, I, CN, NO<sub>2</sub>, (CF<sub>2</sub>)<sub>r</sub>CF<sub>3</sub>, (CH<sub>2</sub>)<sub>r</sub>OC<sub>1-5</sub> alkyl, OH, -O-C<sub>1-6</sub> alkyl, SH, (CH<sub>2</sub>)<sub>r</sub>SC<sub>1-5</sub> alkyl, (CH<sub>2</sub>)<sub>r</sub>NR<sup>8f</sup>R<sup>8f</sup>, and (CH<sub>2</sub>)<sub>r</sub>phenyl;

15

R<sup>8f</sup>, at each occurrence, is independently selected from H, C<sub>1-6</sub> alkyl, and C<sub>3-6</sub> cycloalkyl;

20

R<sup>8g</sup> is selected from (CHR)<sub>q</sub>OH, (CHR)<sub>q</sub>SH, (CHR)<sub>q</sub>OR<sup>8d</sup>, (CHR)<sub>q</sub>S(O)<sub>p</sub>R<sup>8d</sup>, (CHR)<sub>r</sub>C(O)R<sup>8b</sup>, (CHR)<sub>q</sub>NR<sup>8a</sup>R<sup>8a</sup>, (CHR)<sub>r</sub>C(O)NR<sup>8a</sup>R<sup>8a</sup>, (CHR)<sub>r</sub>C(O)NR<sup>8a</sup>OR<sup>8d</sup>, (CHR)<sub>q</sub>SO<sub>2</sub>NR<sup>8a</sup>R<sup>8a</sup>, (CHR)<sub>r</sub>C(O)OR<sup>8d</sup>, and a (CHR)<sub>r</sub>-C<sub>3-10</sub> carbocyclic residue substituted with 0-5 R<sup>8e</sup>;

25

R<sup>9</sup> is selected from H, C<sub>1-6</sub> alkyl, C<sub>2-6</sub> alkenyl, C<sub>2-6</sub> alkynyl, (CRR)<sub>r</sub>OH, (CRR)<sub>r</sub>SH, (CRR)<sub>r</sub>OR<sup>9d</sup>, (CRR)<sub>r</sub>S(O)<sub>p</sub>R<sup>9d</sup>, (CRR)<sub>r</sub>C(O)R<sup>9b</sup>, (CRR)<sub>r</sub>NR<sup>9a</sup>R<sup>9a</sup>, (CRR)<sub>r</sub>C(O)NR<sup>9a</sup>R<sup>9a</sup>, (CRR)<sub>r</sub>C(O)NR<sup>9a</sup>OR<sup>9d</sup>,

30

~~(CRR)<sub>r</sub>SO<sub>2</sub>NR<sup>9a</sup>R<sup>9a</sup>, (CRR)<sub>r</sub>C(O)OR<sup>9d</sup>, a (CRR)<sub>r</sub>-C<sub>3-10</sub> carbocyclic residue substituted with 0-5 R<sup>9e</sup>, and a (CRR)<sub>r</sub>-5-10 membered heterocyclic system containing 1-4 heteroatoms selected from N, O, and S, substituted with 0-3 R<sup>9e</sup>;~~

*D1* 5

*Cont*

R<sup>9a</sup>, at each occurrence, is independently selected from H, methyl, C<sub>2-6</sub> alkyl substituted with 0-3 R<sup>9e</sup>, C<sub>3-8</sub> alkenyl substituted with 0-3 R<sup>9e</sup>, C<sub>3-8</sub> alkynyl

10 substituted with 0-3 R<sup>9e</sup>, (CH<sub>2</sub>)<sub>r</sub>C<sub>3-6</sub> cycloalkyl, a (CH<sub>2</sub>)<sub>r</sub>-C<sub>3-10</sub> carbocyclic residue substituted with 0-5 R<sup>9e</sup>, and a (CH<sub>2</sub>)<sub>r</sub>-5-10 membered heterocyclic system containing 1-4 heteroatoms selected from N, O, and S, substituted with 0-3 R<sup>9e</sup>;

15

R<sup>9b</sup>, at each occurrence, is independently selected from C<sub>1-6</sub> alkyl substituted with 0-3 R<sup>9e</sup>, C<sub>2-8</sub> alkenyl substituted with 0-3 R<sup>9e</sup>, C<sub>2-8</sub> alkynyl substituted with 0-3 R<sup>9e</sup>, a (CH<sub>2</sub>)<sub>r</sub>-C<sub>3-6</sub> carbocyclic residue

20 substituted with 0-2 R<sup>9e</sup>, and a (CH<sub>2</sub>)<sub>r</sub>-5-6 membered heterocyclic system containing 1-4 heteroatoms selected from N, O, and S, substituted with 0-3 R<sup>9e</sup>;

25 R<sup>9d</sup>, at each occurrence, is independently selected from H, methyl, -CF<sub>3</sub>, C<sub>2-6</sub> alkyl substituted with 0-3 R<sup>9e</sup>, C<sub>3-6</sub> alkenyl substituted with 0-3 R<sup>9e</sup>, C<sub>3-6</sub> alkynyl substituted with 0-3 R<sup>9e</sup>, a C<sub>3-10</sub> carbocyclic residue substituted with 0-3 R<sup>9e</sup>, and a (CH<sub>2</sub>)<sub>r</sub>-5-6 membered heterocyclic system containing 1-4 heteroatoms selected from N, O, and S, substituted with 0-3 R<sup>9e</sup>;

*Cont*

5       $R^{9e}$ , at each occurrence, is independently selected from C<sub>1-6</sub> alkyl, C<sub>2-8</sub> alkenyl, C<sub>2-8</sub> alkynyl, C<sub>3-6</sub> cycloalkyl, Cl, F, Br, I, CN, NO<sub>2</sub>, (CF<sub>2</sub>)<sub>r</sub>CF<sub>3</sub>, (CH<sub>2</sub>)<sub>r</sub>OC<sub>1-5</sub> alkyl, OH, -O-C<sub>1-6</sub> alkyl, SH, (CH<sub>2</sub>)<sub>r</sub>SC<sub>1-5</sub> alkyl, (CH<sub>2</sub>)<sub>r</sub>NR<sup>9f</sup>R<sup>9f</sup>, and (CH<sub>2</sub>)<sub>r</sub>phenyl;

10       $R^{9f}$ , at each occurrence, is independently selected from H, C<sub>1-6</sub> alkyl, and C<sub>3-6</sub> cycloalkyl;

15      10       $R^{10}$  is selected from H, C<sub>1-6</sub> alkyl, C<sub>2-6</sub> alkenyl, C<sub>2-6</sub> alkynyl, (CRR)<sub>r</sub>OH, (CRR)<sub>r</sub>SH, (CRR)<sub>r</sub>OR<sup>10d</sup>, (CRR)<sub>r</sub>S(O)<sub>p</sub>R<sup>10d</sup>, (CRR)<sub>r</sub>C(O)R<sup>10b</sup>, (CRR)<sub>r</sub>NR<sup>10a</sup>R<sup>10a</sup>, (CRR)<sub>r</sub>C(O)NR<sup>10a</sup>R<sup>10a</sup>, (CRR)<sub>r</sub>C(O)NR<sup>10a</sup>OR<sup>10d</sup>, (CRR)<sub>r</sub>SO<sub>2</sub>NR<sup>10a</sup>R<sup>10a</sup>, (CRR)<sub>r</sub>C(O)OR<sup>10d</sup>, a (CRR)<sub>r</sub>-C<sub>3-10</sub> carbocyclic residue substituted with 0-5 R<sup>10e</sup>, and a (CRR)<sub>r</sub>-5-10 membered heterocyclic system containing 1-4 heteroatoms selected from N, O, and S, substituted with 0-3 R<sup>10e</sup>;

20      alternatively, R<sup>10</sup> and R<sup>11</sup> join to form a C<sub>3-6</sub> cycloalkyl substituted with 0-2 R<sup>10g</sup>, a 5-6 membered ring lactam substituted with 0-2 R<sup>10g</sup>, or a 5-6 membered ring lactone substituted with 0-2 R<sup>10g</sup>;

25      25       $R^{10a}$ , at each occurrence, is independently selected from H, methyl, C<sub>2-6</sub> alkyl substituted with 0-3 R<sup>10e</sup>, C<sub>3-8</sub> alkenyl substituted with 0-3 R<sup>10e</sup>, C<sub>3-8</sub> alkynyl substituted with 0-3 R<sup>10e</sup>, (CH<sub>2</sub>)<sub>r</sub>C<sub>3-6</sub> cycloalkyl, a (CH<sub>2</sub>)<sub>r</sub>-C<sub>3-10</sub> carbocyclic residue substituted with 0-5 R<sup>10e</sup>, and a (CH<sub>2</sub>)<sub>r</sub>-5-10 membered heterocyclic system containing 1-4 heteroatoms selected from N, O, and S, substituted with 0-3 R<sup>10e</sup>;

*R<sup>10b</sup>*, at each occurrence, is independently selected from  
C<sub>1-6</sub> alkyl substituted with 0-3 *R<sup>10e</sup>*, C<sub>2-8</sub> alkenyl  
substituted with 0-3 *R<sup>10e</sup>*, C<sub>2-8</sub> alkynyl substituted  
with 0-3 *R<sup>10e</sup>*, a (CH<sub>2</sub>)<sub>r</sub>-C<sub>3-6</sub> carbocyclic residue  
substituted with 0-2 *R<sup>10e</sup>*, and a (CH<sub>2</sub>)<sub>r</sub>-5-6 membered  
heterocyclic system containing 1-4 heteroatoms  
selected from N, O, and S, substituted with 0-3 *R<sup>10e</sup>*;

*R<sup>10d</sup>*, at each occurrence, is independently selected from  
H, methyl, -CF<sub>3</sub>, C<sub>2-6</sub> alkyl substituted with 0-3  
*R<sup>10e</sup>*, C<sub>3-6</sub> alkenyl substituted with 0-3 *R<sup>10e</sup>*, C<sub>3-6</sub>  
alkynyl substituted with 0-3 *R<sup>10e</sup>*, a C<sub>3-10</sub>  
carbocyclic residue substituted with 0-3 *R<sup>10e</sup>*, and a  
(CH<sub>2</sub>)<sub>r</sub>-5-6 membered heterocyclic system containing  
1-4 heteroatoms selected from N, O, and S,  
substituted with 0-3 *R<sup>10e</sup>*;

*R<sup>10e</sup>*, at each occurrence, is independently selected from  
C<sub>1-6</sub> alkyl, C<sub>2-8</sub> alkenyl, C<sub>2-8</sub> alkynyl, C<sub>3-6</sub>  
cycloalkyl, Cl, F, Br, I, CN, NO<sub>2</sub>, (CF<sub>2</sub>)<sub>r</sub>CF<sub>3</sub>,  
(CH<sub>2</sub>)<sub>r</sub>OC<sub>1-5</sub> alkyl, OH, -O-C<sub>1-6</sub> alkyl, SH, (CH<sub>2</sub>)<sub>r</sub>SC<sub>1-5</sub>  
alkyl, (CH<sub>2</sub>)<sub>r</sub>NR<sup>10f</sup>R<sup>10f</sup>, and (CH<sub>2</sub>)<sub>r</sub>phenyl;

*R<sup>10f</sup>*, at each occurrence, is independently selected from  
H, C<sub>1-6</sub> alkyl, and C<sub>3-6</sub> cycloalkyl;

*R<sup>10g</sup>* is selected from (CHR)<sub>q</sub>OH, (CHR)<sub>q</sub>SH, (CHR)<sub>q</sub>OR<sup>10d</sup>,  
(CHR)<sub>q</sub>S(O)<sub>p</sub>R<sup>10d</sup>, (CHR)<sub>r</sub>C(O)R<sup>10b</sup>, (CHR)<sub>q</sub>NR<sup>10a</sup>R<sup>10a</sup>,  
(CHR)<sub>r</sub>C(O)NR<sup>10a</sup>R<sup>10a</sup>, (CHR)<sub>r</sub>C(O)NR<sup>10a</sup>OR<sup>10d</sup>,  
(CHR)<sub>q</sub>SO<sub>2</sub>NR<sup>10a</sup>R<sup>10a</sup>, (CHR)<sub>r</sub>C(O)OR<sup>10d</sup>, and a (CHR)<sub>r</sub>-C<sub>3-10</sub>  
carbocyclic residue substituted with 0-5 *R<sup>10e</sup>*;

*B1*  
*Cont'd*

$R^{11}$ , is selected from H, C<sub>1-6</sub> alkyl, C<sub>2-6</sub> alkenyl, C<sub>2-6</sub> alkynyl, (CRR)<sub>r</sub>OH, (CRR)<sub>r</sub>SH, (CRR)<sub>r</sub>OR<sup>11d</sup>, (CRR)<sub>r</sub>S(O)<sub>p</sub>R<sup>11d</sup>, (CRR)<sub>r</sub>C(O)R<sup>11b</sup>, (CRR)<sub>r</sub>NR<sup>11a</sup>R<sup>11a</sup>, (CRR)<sub>r</sub>C(O)NR<sup>11a</sup>R<sup>11a</sup>, (CRR)<sub>r</sub>C(O)NR<sup>11a</sup>OR<sup>11d</sup>, (CRR)<sub>r</sub>SO<sub>2</sub>NR<sup>11a</sup>R<sup>11a</sup>, (CRR)<sub>r</sub>C(O)OR<sup>11d</sup>, a (CRR)<sub>r</sub>-C<sub>3-10</sub> carbocyclic residue substituted with 0-5 R<sup>11e</sup>, and a (CRR)<sub>r</sub>-5-10 membered heterocyclic system containing 1-4 heteroatoms selected from N, O, and S, substituted with 0-3 R<sup>11e</sup>;

10  $R^{11a}$ , at each occurrence, is independently selected from H, methyl, C<sub>2-6</sub> alkyl substituted with 0-3 R<sup>11e</sup>, C<sub>3-8</sub> alkenyl substituted with 0-3 R<sup>11e</sup>, C<sub>3-8</sub> alkynyl substituted with 0-3 R<sup>11e</sup>, (CH<sub>2</sub>)<sub>r</sub>C<sub>3-6</sub> cycloalkyl, a (CH<sub>2</sub>)<sub>r</sub>-C<sub>3-10</sub> carbocyclic residue substituted with 0-5 R<sup>11e</sup>, and a (CH<sub>2</sub>)<sub>r</sub>-5-10 membered heterocyclic system containing 1-4 heteroatoms selected from N, O, and S, substituted with 0-3 R<sup>11e</sup>;

20  $R^{11b}$ , at each occurrence, is independently selected from C<sub>1-6</sub> alkyl substituted with 0-3 R<sup>11e</sup>, C<sub>2-8</sub> alkenyl substituted with 0-3 R<sup>11e</sup>, C<sub>2-8</sub> alkynyl substituted with 0-3 R<sup>11e</sup>, a (CH<sub>2</sub>)<sub>r</sub>-C<sub>3-6</sub> carbocyclic residue substituted with 0-2 R<sup>11e</sup>, and a (CH<sub>2</sub>)<sub>r</sub>-5-6 membered heterocyclic system containing 1-4 heteroatoms selected from N, O, and S, substituted with 0-3 R<sup>11e</sup>;

25  $R^{11d}$ , at each occurrence, is independently selected from H, methyl, -CF<sub>3</sub>, C<sub>2-6</sub> alkyl substituted with 0-3 R<sup>11e</sup>, C<sub>3-6</sub> alkenyl substituted with 0-3 R<sup>11e</sup>, C<sub>3-6</sub> alkynyl substituted with 0-3 R<sup>11e</sup>, a C<sub>3-10</sub> carbocyclic residue substituted with 0-3 R<sup>11e</sup>, and a

*51*  
*Cont*

$(CH_2)_r$ -5-6 membered heterocyclic system containing  
1-4 heteroatoms selected from N, O, and S,  
substituted with 0-3  $R^{11e}$ ;

$R^{11e}$ , at each occurrence, is independently selected from  
 $C_{1-6}$  alkyl,  $C_{2-8}$  alkenyl,  $C_{2-8}$  alkynyl,  $C_{3-6}$   
cycloalkyl, Cl, F, Br, I, CN,  $NO_2$ ,  $(CF_2)_rCF_3$ ,  
 $(CH_2)_rOC_{1-5}$  alkyl, OH,  $-O-C_{1-6}$  alkyl, SH,  $(CH_2)_rSC_{1-5}$   
alkyl,  $(CH_2)_rNR^{11f}R^{11f}$ , and  $(CH_2)_r$ phenyl;

$R^{11f}$ , at each occurrence, is independently selected from  
H,  $C_{1-6}$  alkyl, and  $C_{3-6}$  cycloalkyl;

$R^{12}$  is selected from H,  $C_{1-6}$  alkyl,  $C_{2-6}$  alkenyl,  $C_{2-6}$   
alkynyl,  $(CRR)_qOH$ ,  $(CRR)_qSH$ ,  $(CRR)_qOR^{12d}$ ,  
 $(CRR)_qS(O)_pR^{12d}$ ,  $(CRR)_rC(O)R^{12b}$ ,  $(CRR)_rNR^{12a}R^{12a}$ ,  
 $(CRR)_rC(O)NR^{12a}R^{12a}$ ,  $(CRR)_rC(O)NR^{12a}OR^{12d}$ ,  
 $(CRR)_qSO_2NR^{12a}R^{12a}$ ,  $(CRR)_rC(O)OR^{12d}$ , a  $(CRR)_r$ - $C_{3-10}$   
carbocyclic residue substituted with 0-5  $R^{12e}$ , and a  
 $(CRR)_r$ -5-10 membered heterocyclic system containing  
1-4 heteroatoms selected from N, O, and S,  
substituted with 0-3  $R^{12e}$ ;

$R^{12a}$ , at each occurrence, is independently selected from  
H, methyl,  $C_{2-6}$  alkyl substituted with 0-3  $R^{12e}$ ,  $C_{3-8}$   
alkenyl substituted with 0-3  $R^{12e}$ ,  $C_{3-8}$  alkynyl  
substituted with 0-3  $R^{12e}$ ,  $(CH_2)_rC_{3-6}$  cycloalkyl, a  
 $(CH_2)_r$ - $C_{3-10}$  carbocyclic residue substituted with 0-5  
 $R^{12e}$ , and a  $(CH_2)_r$ -5-10 membered heterocyclic system  
containing 1-4 heteroatoms selected from N, O, and  
S, substituted with 0-3  $R^{12e}$ ;

*BR*  
cont 5

~~R<sup>12b</sup>, at each occurrence, is independently selected from C<sub>1-6</sub> alkyl substituted with 0-3 R<sup>12e</sup>, C<sub>2-8</sub> alkenyl substituted with 0-3 R<sup>12e</sup>, C<sub>2-8</sub> alkynyl substituted with 0-3 R<sup>12e</sup>, a (CH<sub>2</sub>)<sub>r</sub>-C<sub>3-6</sub> carbocyclic residue substituted with 0-2 R<sup>12e</sup>, and a (CH<sub>2</sub>)<sub>r</sub>-5-6 membered heterocyclic system containing 1-4 heteroatoms selected from N, O, and S, substituted with 0-3 R<sup>12e</sup>;~~

10 ~~R<sup>12d</sup>, at each occurrence, is independently selected from H, methyl, -CF<sub>3</sub>, C<sub>2-6</sub> alkyl substituted with 0-3 R<sup>12e</sup>, C<sub>3-6</sub> alkenyl substituted with 0-3 R<sup>12e</sup>, C<sub>3-6</sub> alkynyl substituted with 0-3 R<sup>12e</sup>, a C<sub>3-10</sub> carbocyclic residue substituted with 0-3 R<sup>12e</sup>, and a (CH<sub>2</sub>)<sub>r</sub>-5-6 membered heterocyclic system containing 1-4 heteroatoms selected from N, O, and S, substituted with 0-3 R<sup>12e</sup>;~~

15 ~~R<sup>12e</sup>, at each occurrence, is independently selected from C<sub>1-6</sub> alkyl, C<sub>2-8</sub> alkenyl, C<sub>2-8</sub> alkynyl, C<sub>3-6</sub> cycloalkyl, Cl, F, Br, I, CN, NO<sub>2</sub>, (CF<sub>2</sub>)<sub>r</sub>CF<sub>3</sub>, (CH<sub>2</sub>)<sub>r</sub>OC<sub>1-5</sub> alkyl, OH, -O-C<sub>1-6</sub> alkyl, SH, (CH<sub>2</sub>)<sub>r</sub>SC<sub>1-5</sub> alkyl, (CH<sub>2</sub>)<sub>r</sub>NR<sup>12f</sup>R<sup>12f</sup>, and (CH<sub>2</sub>)<sub>r</sub>phenyl;~~

20 ~~R<sup>12f</sup>, at each occurrence, is selected from H, C<sub>1-6</sub> alkyl, and C<sub>3-6</sub> cycloalkyl;~~

25 ~~R<sup>14</sup> and R<sup>14a</sup> are independently selected from H, and C<sub>1-4</sub> alkyl substituted with 0-1 R<sup>14b</sup>,~~

30 alternatively, R<sup>14</sup> and R<sup>14a</sup> can join to form a C<sub>3-6</sub> cycloalkyl;

*Cont*

~~R<sup>14b</sup>, at each occurrence, is independently selected from -OH, -SH, -NR<sup>14c</sup>R<sup>14c</sup>, -C(O)NR<sup>14c</sup>R<sup>14c</sup>, -NHC(O)R<sup>14c</sup> and phenyl;~~

5 R<sup>14c</sup> is selected from H, C<sub>1-4</sub> alkyl and C<sub>3-6</sub> cycloalkyl;

R<sup>15</sup> is selected from H, C<sub>1-4</sub> alkyl, and C<sub>3-6</sub> cycloalkyl;

10 R<sup>16</sup> is selected from H, C<sub>1-4</sub> alkyl substituted with 0-3

R<sup>16a</sup>, and C<sub>3-6</sub> cycloalkyl substituted with 0-3 R<sup>16a</sup>;

15 R<sup>16a</sup> is selected from C<sub>1-4</sub> alkyl, -OH, -SH, -NR<sup>16c</sup>R<sup>16c</sup>,  
-C(O)NR<sup>16c</sup>R<sup>16c</sup>, and -NHC(O)R<sup>16c</sup>;

20 R<sup>16c</sup> is selected from H, C<sub>1-4</sub> alkyl and C<sub>3-6</sub> cycloalkyl;

R<sup>17</sup> is selected from H, C<sub>1-4</sub> alkyl, and C<sub>3-4</sub> cycloalkyl;

25 n is selected from 1 and 2;

1 is selected from 0 and 1;

30 m is selected from 0 and 1;

25 p, at each occurrence, is selected from 0, 1, or 2;

q, at each occurrence, is selected from 1, 2, 3, or 4;  
and

35 r, at each occurrence, is selected from 0, 1, 2, 3, or 4.

(2. A compound of claim 1, wherein

35 Z is selected from a bond, -C(O)-, -C(O)NH-, -C(S)NH-,  
-SO<sub>2</sub>-, and -SO<sub>2</sub>NH-;

X is selected from -NR<sup>17</sup>-, -O-, -S-, and -CHR<sup>16</sup>NR<sup>17</sup>-;

*B1*  
cont<sup>5</sup>

R<sup>1</sup> is selected from a C<sub>6</sub>-10 aryl group substituted with 0-5 R<sup>4</sup> and a 5-10 membered heteroaryl system containing 1-4 heteroatoms selected from N, O, and S, substituted with 0-3 R<sup>4</sup>;

R<sup>2</sup> is selected from a C<sub>6</sub>-10 aryl group substituted with 0-5 R<sup>5</sup> and a 5-10 membered heteroaryl system containing 1-4 heteroatoms selected from N, O, and S, substituted with 0-3 R<sup>5</sup>;

R<sup>3</sup> is selected from (CRR)<sub>q</sub>OH, (CRR)<sub>q</sub>SH, (CRR)<sub>q</sub>OR<sup>3d</sup>, (CRR)<sub>q</sub>S(O)<sub>p</sub>R<sup>3d</sup>, (CRR)<sub>r</sub>C(O)R<sup>3b</sup>, (CRR)<sub>q</sub>NR<sup>3a</sup>R<sup>3a</sup>, (CRR)<sub>r</sub>C(O)NR<sup>3a</sup>R<sup>3a</sup>, (CRR)<sub>r</sub>C(O)NR<sup>3a</sup>OR<sup>3d</sup>, (CRR)<sub>q</sub>SO<sub>2</sub>NR<sup>3a</sup>R<sup>3a</sup>, (CRR)<sub>r</sub>C(O)OR<sup>3d</sup>, a (CRR)<sub>r</sub>-C<sub>3</sub>-10 carbocyclic residue substituted with 0-5 R<sup>3e</sup>, and a (CRR)<sub>r</sub>-5-10 membered heterocyclic system containing 1-4 heteroatoms selected from N, O, and S, substituted with 0-3 R<sup>3e</sup>;

alternatively, R<sup>3</sup> and R<sup>12</sup> join to form a C<sub>3</sub>-6 cycloalkyl substituted with 0-2 R<sup>3g</sup>, a C<sub>5</sub>-6 lactam substituted with 0-2 R<sup>3g</sup>, or a C<sub>5</sub>-6 lactone substituted with 0-2 R<sup>3g</sup>;

R<sup>3a</sup>, at each occurrence, is independently selected from H, methyl substituted with 0-1 R<sup>3c</sup>, C<sub>2</sub>-6 alkyl substituted with 0-3 R<sup>3e</sup>, C<sub>3</sub>-8 alkenyl substituted with 0-3 R<sup>3e</sup>, C<sub>3</sub>-8 alkynyl substituted with 0-3 R<sup>3e</sup>, (CH<sub>2</sub>)<sub>r</sub>C<sub>3</sub>-6 cycloalkyl, a (CH<sub>2</sub>)<sub>r</sub>-C<sub>3</sub>-10 carbocyclic residue substituted with 0-5 R<sup>3e</sup>, and a (CH<sub>2</sub>)<sub>r</sub>-5-10 membered heterocyclic system containing 1-4 heteroatoms selected from N, O, and S, substituted with 0-3 R<sup>3e</sup>;

*31*  
*cont*  
 ~~$R^{3b}$ , at each occurrence, is independently selected from  $C_{1-6}$  alkyl substituted with 0-3  $R^{3e}$ ,  $C_{2-8}$  alkenyl substituted with 0-3  $R^{3e}$ ,  $C_{2-8}$  alkynyl substituted with 0-3  $R^{3e}$ , a  $(CH_2)_r-C_{3-6}$  carbocyclic residue substituted with 0-2  $R^{3e}$ , and a  $(CH_2)_r$ -5-6 membered heterocyclic system containing 1-4 heteroatoms selected from N, O, and S, substituted with 0-3  $R^{3e}$ ;~~

10  $R^{3c}$  is independently selected from  $-C(O)R^{3b}$ ,  $-C(O)OR^{3d}$ ,  $-C(O)NR^{3f}R^{3f}$ , and  $(CH_2)_r$ phenyl;

15  $R^{3d}$ , at each occurrence, is independently selected from H, methyl,  $-CF_3$ ,  $C_{2-6}$  alkyl substituted with 0-3  $R^{3e}$ ,  $C_{3-6}$  alkenyl substituted with 0-3  $R^{3e}$ ,  $C_{3-6}$  alkynyl substituted with 0-3  $R^{3e}$ , a  $C_{3-10}$  carbocyclic residue substituted with 0-3  $R^{3e}$ , and a  $(CH_2)_r$ -5-6 membered heterocyclic system containing 1-4 heteroatoms selected from N, O, and S, substituted with 0-3  $R^{3e}$ ;

20  $R^{3e}$ , at each occurrence, is selected from  $C_{1-6}$  alkyl,  $C_{2-8}$  alkenyl,  $C_{2-8}$  alkynyl,  $C_{3-6}$  cycloalkyl, Cl, F, Br, I, CN,  $NO_2$ ,  $(CF_2)_rCF_3$ ,  $(CH_2)_rOC_{1-5}$  alkyl, OH, SH,  $(CH_2)_rSC_{1-5}$  alkyl,  $(CH_2)_rNR^{3f}R^{3f}$ , and  $(CH_2)_r$ phenyl;

25  $R^{3f}$ , at each occurrence, is selected from H,  $C_{1-6}$  alkyl, and  $C_{3-6}$  cycloalkyl;

30  $R^{3g}$  is selected from  $(CHR)_qOH$ ,  $(CHR)_qSH$ ,  $(CHR)_qOR^{3d}$ ,  $(CHR)_qS(O)_pR^{3d}$ ,  $(CHR)_rC(O)R^{3b}$ ,  $(CHR)_qNR^{3a}R^{3a}$ ,  $(CHR)_rC(O)NR^{3a}R^{3a}$ ,  $(CHR)_rC(O)NR^{3a}OR^{3d}$ ,

~~( $\text{CHR}$ )<sub>q</sub> $\text{SO}_2\text{NR}^{3a}\text{R}^{3a}$ , ( $\text{CHR}$ )<sub>r</sub> $\text{C(O)OR}^{3d}$ , and a ( $\text{CHR}$ )<sub>r</sub>- $\text{C}_3\text{-}10$  carbocyclic residue substituted with 0-5  $\text{R}^{3e}$ ;~~

*B* 5 ~~R, at each occurrence, is independently selected from H, C<sub>1-6</sub> alkyl, C<sub>2-8</sub> alkenyl, C<sub>2-8</sub> alkynyl, ( $\text{CH}_2$ )<sub>r</sub> $\text{C}_3\text{-}6$  cycloalkyl, ( $\text{CHR}$ )<sub>r</sub> $\text{C(O)NR}^{3a}\text{R}^{3a}$ , and ( $\text{CHR}$ )<sub>r</sub> $\text{C(O)OR}^{3d}$ , and ( $\text{CH}_2$ )<sub>r</sub>phenyl substituted with  $\text{R}^{3e}$ ;~~

10  ~~$\text{R}^4$ , at each occurrence, is selected from C<sub>1-8</sub> alkyl, C<sub>2-8</sub> alkenyl, C<sub>2-8</sub> alkynyl, ( $\text{CH}_2$ )<sub>r</sub> $\text{C}_3\text{-}6$  cycloalkyl, Cl, Br, I, F, NO<sub>2</sub>, CN, ( $\text{CR}'\text{R}'$ )<sub>r</sub> $\text{NR}^{4a}\text{R}^{4a}$ , ( $\text{CR}'\text{R}'$ )<sub>r</sub>OH, ( $\text{CR}'\text{R}'$ )<sub>r</sub>O( $\text{CR}'\text{R}'$ )<sub>r</sub> $\text{R}^{4d}$ , ( $\text{CR}'\text{R}'$ )<sub>r</sub>SH, ( $\text{CR}'\text{R}'$ )<sub>r</sub> $\text{C(O)H}$ , ( $\text{CR}'\text{R}'$ )<sub>r</sub>S( $\text{CR}'\text{R}'$ )<sub>r</sub> $\text{R}^{4d}$ , ( $\text{CR}'\text{R}'$ )<sub>r</sub> $\text{C(O)OH}$ , ( $\text{CR}'\text{R}'$ )<sub>r</sub> $\text{C(O)(CR}'\text{R}'\text{)rR}^{4b}$ , ( $\text{CR}'\text{R}'$ )<sub>r</sub> $\text{C(O)NR}^{4a}\text{R}^{4a}$ , ( $\text{CR}'\text{R}'$ )<sub>r</sub> $\text{NR}^{4f}\text{C(O)(CR}'\text{R}'\text{)rR}^{4b}$ , ( $\text{CR}'\text{R}'$ )<sub>r</sub> $\text{C(O)O(CR}'\text{R}'\text{)rR}^{4d}$ , ( $\text{CR}'\text{R}'$ )<sub>r</sub> $\text{OC(O)(CR}'\text{R}'\text{)rR}^{4b}$ , ( $\text{CR}'\text{R}'$ )<sub>r</sub> $\text{NR}^{4f}\text{C(O)O(CR}'\text{R}'\text{)rR}^{4d}$ , ( $\text{CR}'\text{R}'$ )<sub>r</sub> $\text{OC(O)NR}^{4a}\text{R}^{4a}$ , ( $\text{CR}'\text{R}'$ )<sub>r</sub> $\text{NR}^{6a}\text{C(S)NR}^{6a}(\text{CR}'\text{R}'\text{)rR}^{6d}$ , ( $\text{CR}'\text{R}'$ )<sub>r</sub> $\text{NR}^{4a}\text{C(O)NR}^{4a}\text{R}^{4a}$ , ( $\text{CR}'\text{R}'$ )<sub>r</sub> $\text{C(=NR}^{4f}\text{)NR}^{4a}\text{R}^{4a}$ , ( $\text{CR}'\text{R}'$ )<sub>r</sub> $\text{NHC(=NR}^{4f}\text{)NR}^{4f}\text{R}^{4f}$ , ( $\text{CR}'\text{R}'$ )<sub>r</sub> $\text{S(O)}_p(\text{CR}'\text{R}'\text{)rR}^{4b}$ , ( $\text{CR}'\text{R}'$ )<sub>r</sub> $\text{S(O)}_2\text{NR}^{4a}\text{R}^{4a}$ , ( $\text{CR}'\text{R}'$ )<sub>r</sub> $\text{NR}^{6f}\text{S(O)}_2\text{NR}^{6a}\text{R}^{6a}$ , ( $\text{CR}'\text{R}'$ )<sub>r</sub> $\text{NR}^{4f}\text{S(O)}_2(\text{CR}'\text{R}'\text{)rR}^{4b}$ , C<sub>1-6</sub> haloalkyl, C<sub>2-8</sub> alkenyl substituted with 0-3 R', C<sub>2-8</sub> alkynyl substituted with 0-3 R', and ( $\text{CR}'\text{R}'$ )<sub>r</sub>phenyl substituted with 0-3 R<sup>4e</sup>;~~

25 ~~alternatively, two  $\text{R}^4$  on adjacent atoms on  $\text{R}^1$  may join to form a cyclic acetal;~~

30  $\text{R}^{4a}$ , at each occurrence, is independently selected from H, methyl substituted with 0-1R<sup>4g</sup>, C<sub>2-6</sub> alkyl substituted with 0-2 R<sup>5e</sup>, C<sub>3-8</sub> alkenyl substituted with 0-2 R<sup>5e</sup>, C<sub>3-8</sub> alkynyl substituted with 0-2 R<sup>5e</sup>, a ( $\text{CH}_2$ )<sub>r</sub>- $\text{C}_3\text{-}10$  carbocyclic residue substituted with

0-5 R<sup>4e</sup>, and a (CH<sub>2</sub>)<sub>r</sub>-5-10 membered heterocyclic system containing 1-4 heteroatoms selected from N, O, and S, substituted with 0-2 R<sup>4e</sup>;

*Cont*  
R<sup>4b</sup>, at each occurrence, is selected from C<sub>1-6</sub> alkyl substituted with 0-2 R<sup>5e</sup>, C<sub>3-8</sub> alkenyl substituted with 0-2 R<sup>5e</sup>, C<sub>3-8</sub> alkynyl substituted with 0-2 R<sup>5e</sup>, a (CH<sub>2</sub>)<sub>r</sub>C<sub>3-6</sub> carbocyclic residue substituted with 0-3 R<sup>4e</sup>, and a (CH<sub>2</sub>)<sub>r</sub>-5-6 membered heterocyclic system containing 1-4 heteroatoms selected from N, O, and S, substituted with 0-2 R<sup>4e</sup>;

R<sup>4d</sup>, at each occurrence, is selected from C<sub>3-8</sub> alkenyl substituted with 0-2 R<sup>5e</sup>, C<sub>3-8</sub> alkynyl substituted with 0-2 R<sup>5e</sup>, methyl, CF<sub>3</sub>, C<sub>2-6</sub> alkyl substituted with 0-3 R<sup>4e</sup>, a (CH<sub>2</sub>)<sub>r</sub>-C<sub>3-10</sub> carbocyclic residue substituted with 0-3 R<sup>4e</sup>, and a (CH<sub>2</sub>)<sub>r</sub>-5-6 membered heterocyclic system containing 1-4 heteroatoms selected from N, O, and S, substituted with 0-3 R<sup>4e</sup>;

R<sup>4e</sup>, at each occurrence, is selected from C<sub>1-6</sub> alkyl, C<sub>2-8</sub> alkenyl, C<sub>2-8</sub> alkynyl, (CH<sub>2</sub>)<sub>r</sub>C<sub>3-6</sub> cycloalkyl, Cl, F, Br, I, CN, NO<sub>2</sub>, (CF<sub>2</sub>)<sub>r</sub>CF<sub>3</sub>, (CH<sub>2</sub>)<sub>r</sub>OC<sub>1-5</sub> alkyl, OH, SH, (CH<sub>2</sub>)<sub>r</sub>SC<sub>1-5</sub> alkyl, (CH<sub>2</sub>)<sub>r</sub>NR<sup>4f</sup>R<sup>4f</sup>, and (CH<sub>2</sub>)<sub>r</sub>phenyl;

R<sup>4f</sup>, at each occurrence, is selected from H, C<sub>1-5</sub> alkyl, and C<sub>3-6</sub> cycloalkyl, and phenyl;

R<sup>4g</sup> is independently selected from -C(O)R<sup>4b</sup>, -C(O)OR<sup>4d</sup>, -C(O)NR<sup>4f</sup>R<sup>4f</sup>, and (CH<sub>2</sub>)<sub>r</sub>phenyl;

R<sup>5</sup>, at each occurrence, is selected from C<sub>1-8</sub> alkyl, C<sub>2-8</sub> alkenyl, C<sub>2-8</sub> alkynyl, (CH<sub>2</sub>)<sub>r</sub>C<sub>3-6</sub> cycloalkyl, Cl, Br, I, F, NO<sub>2</sub>, CN, (CR'R')<sub>r</sub>NR<sup>5a</sup>R<sup>5a</sup>, (CR'R')<sub>r</sub>OH, (CR'R')<sub>r</sub>O(CR'R')<sub>r</sub>R<sup>5d</sup>, (CR'R')<sub>r</sub>SH, (CR'R')<sub>r</sub>C(O)H,

B1  
cont

~~(CR'R')<sub>r</sub>S(CR'R')<sub>r</sub>R<sup>5d</sup>, (CR'R')<sub>r</sub>C(O)OH,  
(CR'R')<sub>r</sub>C(O)(CR'R')<sub>r</sub>R<sup>5b</sup>, (CR'R')<sub>r</sub>C(O)NR<sup>5a</sup>R<sup>5a</sup>,  
(CR'R')<sub>r</sub>NR<sup>5f</sup>C(O)(CR'R')<sub>r</sub>R<sup>5b</sup>, (CR'R')<sub>r</sub>C(O)O(CR'R')<sub>r</sub>R<sup>5d</sup>,  
(CR'R')<sub>r</sub>OC(O)(CR'R')<sub>r</sub>R<sup>5b</sup>, CR'R')<sub>r</sub>NR<sup>5f</sup>C(O)O(CR'R')<sub>r</sub>R<sup>5d</sup>,  
(CR'R')<sub>r</sub>OC(O)NR<sup>5a</sup>R<sup>5a</sup>, (CR'R')<sub>r</sub>NR<sup>5a</sup>C(O)NR<sup>5a</sup>R<sup>5a</sup>,  
(CR'R')<sub>r</sub>C(=NR<sup>5f</sup>)NR<sup>5a</sup>R<sup>5a</sup>, (CR'R')<sub>r</sub>NHC(=NR<sup>5f</sup>)NR<sup>5f</sup>R<sup>5f</sup>,  
(CR'R')<sub>r</sub>S(O)<sub>p</sub>(CR'R')<sub>r</sub>R<sup>5b</sup>, (CR'R')<sub>r</sub>S(O)<sub>2</sub>NR<sup>5a</sup>R<sup>5a</sup>,  
(CR'R')<sub>r</sub>NR<sup>5a</sup>S(O)<sub>2</sub>NR<sup>5a</sup>R<sup>5a</sup>, (CR'R')<sub>r</sub>NR<sup>5f</sup>S(O)<sub>2</sub>(CR'R')<sub>r</sub>R<sup>5b</sup>,  
C<sub>1-6</sub> haloalkyl, C<sub>2-8</sub> alkenyl substituted with 0-3 R',  
C<sub>2-8</sub> alkynyl substituted with 0-3 R', and  
(CR'R')<sub>r</sub>phenyl substituted with 0-3 R<sup>5e</sup>;~~

10

alternatively, two R<sup>5</sup> on adjacent atoms on R<sup>2</sup> may join to  
form a cyclic acetal;

15

R<sup>5a</sup>, at each occurrence, is independently selected from H,  
methyl substituted with 0-1 R<sup>5g</sup>, C<sub>2-6</sub> alkyl  
substituted with 0-2 R<sup>5e</sup>, C<sub>3-8</sub> alkenyl substituted  
with 0-2 R<sup>5e</sup>, C<sub>3-8</sub> alkynyl substituted with 0-2 R<sup>5e</sup>,  
a (CH<sub>2</sub>)<sub>r</sub>-C<sub>3-10</sub> carbocyclic residue substituted with  
0-5 R<sup>5e</sup>, and a (CH<sub>2</sub>)<sub>r</sub>-5-10 membered heterocyclic  
system containing 1-4 heteroatoms selected from N,  
O, and S, substituted with 0-2 R<sup>5e</sup>;

20

R<sup>5b</sup>, at each occurrence, is independently selected from  
C<sub>1-6</sub> alkyl substituted with 0-2 R<sup>5e</sup>, C<sub>3-8</sub> alkenyl

substituted with 0-2 R<sup>5e</sup>, C<sub>3-8</sub> alkynyl substituted  
with 0-2 R<sup>5e</sup>, a (CH<sub>2</sub>)<sub>r</sub>C<sub>3-6</sub> carbocyclic residue  
substituted with 0-3 R<sup>5e</sup>, and a (CH<sub>2</sub>)<sub>r</sub>-5-6 membered  
heterocyclic system containing 1-4 heteroatoms  
selected from N, O, and S, substituted with 0-2 R<sup>5e</sup>;

25

R<sup>5d</sup>, at each occurrence, is independently selected from  
C<sub>3-8</sub> alkenyl substituted with 0-2 R<sup>5e</sup>, C<sub>3-8</sub> alkynyl

*B1*  
5  
*Contd*

substituted with 0-2 R<sup>5e</sup>, methyl, CF<sub>3</sub>, C<sub>2-6</sub> alkyl substituted with 0-3 R<sup>5e</sup>, a (CH<sub>2</sub>)<sub>r</sub>-C<sub>3-10</sub> carbocyclic residue substituted with 0-3 R<sup>5e</sup>, and a (CH<sub>2</sub>)<sub>r</sub>-5-6 membered heterocyclic system containing 1-4 heteroatoms selected from N, O, and S, substituted with 0-3 R<sup>5e</sup>;

10 R<sup>5e</sup>, at each occurrence, is selected from C<sub>1-6</sub> alkyl, C<sub>2-8</sub> alkenyl, C<sub>2-8</sub> alkynyl, (CH<sub>2</sub>)<sub>r</sub>C<sub>3-6</sub> cycloalkyl, Cl, F, Br, I, CN, NO<sub>2</sub>, (CF<sub>2</sub>)<sub>r</sub>CF<sub>3</sub>, (CH<sub>2</sub>)<sub>r</sub>OC<sub>1-5</sub> alkyl, OH, SH, (CH<sub>2</sub>)<sub>r</sub>SC<sub>1-5</sub> alkyl, (CH<sub>2</sub>)<sub>r</sub>NR<sup>5f</sup>R<sup>5f</sup>, and (CH<sub>2</sub>)<sub>r</sub>phenyl;

15 R<sup>5f</sup>, at each occurrence, is selected from H, C<sub>1-5</sub> alkyl, and C<sub>3-6</sub> cycloalkyl, and phenyl;

20 R', at each occurrence, is selected from H, C<sub>1-6</sub> alkyl, C<sub>2-8</sub> alkenyl, C<sub>2-8</sub> alkynyl, (CH<sub>2</sub>)<sub>r</sub>C<sub>3-6</sub> cycloalkyl, and (CH<sub>2</sub>)<sub>r</sub>phenyl substituted with R<sup>5e</sup>;

25 R<sup>6</sup>, is selected from H, C<sub>1-6</sub> alkyl, C<sub>2-6</sub> alkenyl, C<sub>2-6</sub> alkynyl, (CRR)<sub>q</sub>OH, (CRR)<sub>q</sub>SH, (CRR)<sub>q</sub>OR<sup>6d</sup>, (CRR)<sub>q</sub>S(O)<sub>p</sub>R<sup>6d</sup>, (CRR)<sub>r</sub>C(O)R<sup>6b</sup>, (CRR)<sub>r</sub>NR<sup>6a</sup>R<sup>6a</sup>, (CRR)<sub>r</sub>C(O)NR<sup>6a</sup>R<sup>6a</sup>, (CRR)<sub>r</sub>C(O)NR<sup>6a</sup>OR<sup>6d</sup>, (CRR)SO<sub>2</sub>NR<sup>6a</sup>R<sup>6a</sup>, (CRR)<sub>r</sub>C(O)OR<sup>6d</sup>, a (CRR)<sub>r</sub>-C<sub>3-10</sub> carbocyclic residue substituted with 0-5 R<sup>6e</sup>, and a (CRR)<sub>r</sub>-5-10 membered heterocyclic system containing 1-4 heteroatoms selected from N, O, and S, substituted with 0-3 R<sup>6e</sup>;

35 alternatively, R<sup>6</sup> and R<sup>7</sup> join to form a C<sub>3-6</sub> cycloalkyl substituted with 0-2 R<sup>6g</sup>, a 5-6 membered ring lactam substituted with 0-2 R<sup>6g</sup>, or a 5-6 membered ring lactone substituted with 0-2 R<sup>6g</sup>;

*B1*  
5  
Cont

$R^{6a}$ , at each occurrence, is independently selected from H, methyl,  $C_{2-6}$  alkyl substituted with 0-3  $R^{6e}$ ,  $C_{3-8}$  alkenyl substituted with 0-3  $R^{6e}$ ,  $C_{3-8}$  alkynyl substituted with 0-3  $R^{6e}$ ,  $(CH_2)_rC_{3-6}$  cycloalkyl, a  $(CH_2)_r-C_{3-10}$  carbocyclic residue substituted with 0-5  $R^{6e}$ , and a  $(CH_2)_r-5-10$  membered heterocyclic system containing 1-4 heteroatoms selected from N, O, and S, substituted with 0-3  $R^{6e}$ ;

10

$R^{6b}$ , at each occurrence, is independently selected from  $C_{1-6}$  alkyl substituted with 0-3  $R^{6e}$ ,  $C_{2-8}$  alkenyl substituted with 0-3  $R^{6e}$ ,  $C_{2-8}$  alkynyl substituted with 0-3  $R^{6e}$ , a  $(CH_2)_r-C_{3-6}$  carbocyclic residue substituted with 0-2  $R^{6e}$ , and a  $(CH_2)_r-5-6$  membered heterocyclic system containing 1-4 heteroatoms selected from N, O, and S, substituted with 0-3  $R^{6e}$ ;

15

$R^{6d}$ , at each occurrence, is independently selected from H, methyl,  $-CF_3$ ,  $C_{2-6}$  alkyl substituted with 0-3  $R^{6e}$ ,  $C_{3-6}$  alkenyl substituted with 0-3  $R^{6e}$ ,  $C_{3-6}$  alkynyl substituted with 0-3  $R^{6e}$ , a  $C_{3-10}$  carbocyclic residue substituted with 0-3  $R^{6e}$ , and a  $(CH_2)_r-5-6$  membered heterocyclic system containing 1-4 heteroatoms selected from N, O, and S, substituted with 0-3  $R^{6e}$ ;

20

$R^{6e}$ , at each occurrence, is independently selected from  $C_{1-6}$  alkyl,  $C_{2-8}$  alkenyl,  $C_{2-8}$  alkynyl,  $C_{3-6}$  cycloalkyl, Cl, F, Br, I, CN,  $NO_2$ ,  $(CF_2)_rCF_3$ ,  $(CH_2)_rOC_{1-5}$  alkyl, OH,  $-O-C_{1-6}$  alkyl, SH,  $(CH_2)_rSC_{1-5}$  alkyl,  $(CH_2)_rNR^{6f}R^{6f}$ , and  $(CH_2)_r$ phenyl;

R<sup>6f</sup>, at each occurrence, is independently selected from H, C<sub>1-6</sub> alkyl, and C<sub>3-6</sub> cycloalkyl;

5 R<sup>6g</sup> is selected from (CHR)<sub>q</sub>OH, (CHR)<sub>q</sub>SH, (CHR)<sub>q</sub>OR<sup>6d</sup>, (CHR)<sub>q</sub>S(O)<sub>p</sub>R<sup>6d</sup>, (CHR)<sub>r</sub>C(O)R<sup>6b</sup>, (CHR)<sub>q</sub>NR<sup>6a</sup>R<sup>6a</sup>, (CHR)<sub>r</sub>C(O)NR<sup>6a</sup>R<sup>6a</sup>, (CHR)<sub>r</sub>C(O)NR<sup>6a</sup>OR<sup>6d</sup>, (CHR)<sub>q</sub>SO<sub>2</sub>NR<sup>6a</sup>R<sup>6a</sup>, (CHR)<sub>r</sub>C(O)OR<sup>6d</sup>, and a (CHR)<sub>r</sub>-C<sub>3-10</sub> carbocyclic residue substituted with 0-5 R<sup>6e</sup>;

10 R<sup>7</sup>, is selected from H, C<sub>1-6</sub> alkyl, C<sub>2-6</sub> alkenyl, C<sub>2-6</sub> alkynyl, (CRR)<sub>q</sub>OH, (CRR)<sub>q</sub>SH, (CRR)<sub>q</sub>OR<sup>7d</sup>, (CRR)<sub>q</sub>S(O)<sub>p</sub>R<sup>7d</sup>, (CRR)<sub>r</sub>C(O)R<sup>7b</sup>, (CRR)<sub>r</sub>NR<sup>7a</sup>R<sup>7a</sup>, (CRR)<sub>r</sub>C(O)NR<sup>7a</sup>R<sup>7a</sup>, (CRR)<sub>r</sub>C(O)NR<sup>7a</sup>OR<sup>7d</sup>, 15 (CRR)<sub>q</sub>SO<sub>2</sub>NR<sup>7a</sup>R<sup>7a</sup>, (CRR)<sub>r</sub>C(O)OR<sup>7d</sup>, a (CRR)<sub>r</sub>-C<sub>3-10</sub> carbocyclic residue substituted with 0-5 R<sup>7e</sup>, and a (CRR)<sub>r</sub>-5-10 membered heterocyclic system containing 1-4 heteroatoms selected from N, O, and S, substituted with 0-3 R<sup>7e</sup>;

20 R<sup>7a</sup>, at each occurrence, is independently selected from H, methyl, C<sub>2-6</sub> alkyl substituted with 0-3 R<sup>7e</sup>, C<sub>3-8</sub> alkenyl substituted with 0-3 R<sup>7e</sup>, C<sub>3-8</sub> alkynyl substituted with 0-3 R<sup>7e</sup>, (CH<sub>2</sub>)<sub>r</sub>C<sub>3-6</sub> cycloalkyl, a 25 (CH<sub>2</sub>)<sub>r</sub>-C<sub>3-10</sub> carbocyclic residue substituted with 0-5 R<sup>7e</sup>, and a (CH<sub>2</sub>)<sub>r</sub>-5-10 membered heterocyclic system containing 1-4 heteroatoms selected from N, O, and S, substituted with 0-3 R<sup>7e</sup>;

30 R<sup>7b</sup>, at each occurrence, is independently selected from C<sub>1-6</sub> alkyl substituted with 0-3 R<sup>7e</sup>, C<sub>2-8</sub> alkenyl substituted with 0-3 R<sup>7e</sup>, C<sub>2-8</sub> alkynyl substituted

*(B1*  
*cont*  
*5*

with 0-3 R<sup>7e</sup>, a (CH<sub>2</sub>)<sub>r</sub>-C<sub>3-6</sub> carbocyclic residue substituted with 0-2 R<sup>7e</sup>, and a (CH<sub>2</sub>)<sub>r</sub>-5-6 membered heterocyclic system containing 1-4 heteroatoms selected from N, O, and S, substituted with 0-3 R<sup>7e</sup>;

R<sup>7d</sup>, at each occurrence, is independently selected from H, methyl, -CF<sub>3</sub>, C<sub>2-6</sub> alkyl substituted with 0-3 R<sup>7e</sup>,

10 C<sub>3-6</sub> alkenyl substituted with 0-3 R<sup>7e</sup>, C<sub>3-6</sub> alkynyl substituted with 0-3 R<sup>7e</sup>, a C<sub>3-10</sub> carbocyclic residue substituted with 0-3 R<sup>7e</sup>, and a (CH<sub>2</sub>)<sub>r</sub>-5-6 membered heterocyclic system containing 1-4 heteroatoms selected from N, O, and S, substituted with 0-3 R<sup>7e</sup>;

R<sup>7e</sup>, at each occurrence, is independently selected from

15 C<sub>1-6</sub> alkyl, C<sub>2-8</sub> alkenyl, C<sub>2-8</sub> alkynyl, C<sub>3-6</sub> cycloalkyl, Cl, F, Br, I, CN, NO<sub>2</sub>, (CF<sub>2</sub>)<sub>r</sub>CF<sub>3</sub>, (CH<sub>2</sub>)<sub>r</sub>OC<sub>1-5</sub> alkyl, OH, -O-C<sub>1-6</sub> alkyl, SH, (CH<sub>2</sub>)<sub>r</sub>SC<sub>1-5</sub> alkyl, (CH<sub>2</sub>)<sub>r</sub>NR<sup>7f</sup>R<sup>7f</sup>, and (CH<sub>2</sub>)<sub>r</sub>phenyl;

20 R<sup>7f</sup>, at each occurrence, is independently selected from H, C<sub>1-6</sub> alkyl, and C<sub>3-6</sub> cycloalkyl;

R<sup>8</sup> is selected from H, C<sub>1-6</sub> alkyl, C<sub>2-6</sub> alkenyl, C<sub>2-6</sub> alkynyl, (CRR)<sub>r</sub>OH, (CRR)<sub>r</sub>SH, (CRR)<sub>r</sub>OR<sup>8d</sup>,

25 (CRR)<sub>r</sub>S(O)<sub>p</sub>R<sup>8d</sup>, (CRR)<sub>r</sub>C(O)R<sup>8b</sup>, (CRR)<sub>r</sub>NR<sup>8a</sup>R<sup>8a</sup>, (CRR)<sub>r</sub>C(O)NR<sup>8a</sup>R<sup>8a</sup>, (CRR)<sub>r</sub>C(O)NR<sup>8a</sup>OR<sup>8d</sup>, (CRR)<sub>r</sub>SO<sub>2</sub>NR<sup>8a</sup>R<sup>8a</sup>, (CRR)<sub>r</sub>C(O)OR<sup>8d</sup>, a (CRR)<sub>r</sub>-C<sub>3-10</sub> carbocyclic residue substituted with 0-5 R<sup>8e</sup>, and a (CRR)<sub>r</sub>-5-10 membered heterocyclic system containing 1-4 heteroatoms selected from N, O, and S, substituted with 0-3 R<sup>8e</sup>;

alternatively, R<sup>8</sup> and R<sup>9</sup> join to form a C<sub>3-6</sub> cycloalkyl substituted with 0-2 R<sup>8g</sup>, a 5-6 membered ring lactam substituted with 0-2 R<sup>8g</sup>, or a 5-6 membered ring lactone substituted with 0-2 R<sup>8g</sup>;

*B1*  
5  
Cont R<sup>8a</sup>, at each occurrence, is independently selected from H, methyl, C<sub>2-6</sub> alkyl substituted with 0-3 R<sup>8e</sup>, C<sub>3-8</sub> alkenyl substituted with 0-3 R<sup>8e</sup>, C<sub>3-8</sub> alkynyl substituted with 0-3 R<sup>8e</sup>, (CH<sub>2</sub>)<sub>r</sub>C<sub>3-6</sub> cycloalkyl, a

10 (CH<sub>2</sub>)<sub>r</sub>-C<sub>3-10</sub> carbocyclic residue substituted with 0-5 R<sup>8e</sup>, and a (CH<sub>2</sub>)<sub>r</sub>-5-10 membered heterocyclic system containing 1-4 heteroatoms selected from N, O, and S, substituted with 0-3 R<sup>8e</sup>;

15 R<sup>8b</sup>, at each occurrence, is independently selected from C<sub>1-6</sub> alkyl substituted with 0-3 R<sup>8e</sup>, C<sub>2-8</sub> alkenyl substituted with 0-3 R<sup>8e</sup>, C<sub>2-8</sub> alkynyl substituted with 0-3 R<sup>8e</sup>, a (CH<sub>2</sub>)<sub>r</sub>-C<sub>3-6</sub> carbocyclic residue substituted with 0-2 R<sup>8e</sup>, and a (CH<sub>2</sub>)<sub>r</sub>-5-6 membered 20 heterocyclic system containing 1-4 heteroatoms selected from N, O, and S, substituted with 0-3 R<sup>8e</sup>;

25 R<sup>8d</sup>, at each occurrence, is independently selected from H, methyl, -CF<sub>3</sub>, C<sub>2-6</sub> alkyl substituted with 0-3 R<sup>8e</sup>, C<sub>3-6</sub> alkenyl substituted with 0-3 R<sup>8e</sup>, C<sub>3-6</sub> alkynyl substituted with 0-3 R<sup>8e</sup>, a C<sub>3-10</sub> carbocyclic residue substituted with 0-3 R<sup>8e</sup>, and a (CH<sub>2</sub>)<sub>r</sub>-5-6 membered heterocyclic system containing 1-4 heteroatoms selected from N, O, and S, substituted with 0-3 R<sup>8e</sup>;

30 R<sup>8e</sup>, at each occurrence, is independently selected from C<sub>1-6</sub> alkyl, C<sub>2-8</sub> alkenyl, C<sub>2-8</sub> alkynyl, C<sub>3-6</sub>

*B*  
*cont*

cycloalkyl, Cl, F, Br, I, CN, NO<sub>2</sub>, (CF<sub>2</sub>)<sub>r</sub>CF<sub>3</sub>,  
(CH<sub>2</sub>)<sub>r</sub>OC<sub>1-5</sub> alkyl, OH, -O-C<sub>1-6</sub> alkyl, SH, (CH<sub>2</sub>)<sub>r</sub>SC<sub>1-5</sub>  
alkyl, (CH<sub>2</sub>)<sub>r</sub>NR<sup>8f</sup>R<sup>8f</sup>, and (CH<sub>2</sub>)<sub>r</sub>phenyl;

5 R<sup>8f</sup>, at each occurrence, is independently selected from H,  
C<sub>1-6</sub> alkyl, and C<sub>3-6</sub> cycloalkyl;

10 R<sup>8g</sup> is selected from (CHR)<sub>q</sub>OH, (CHR)<sub>q</sub>SH, (CHR)<sub>q</sub>OR<sup>8d</sup>,  
(CHR)<sub>q</sub>S(O)<sub>p</sub>R<sup>8d</sup>, (CHR)<sub>r</sub>C(O)R<sup>8b</sup>, (CHR)<sub>q</sub>NR<sup>8a</sup>R<sup>8a</sup>,  
(CHR)<sub>r</sub>C(O)NR<sup>8a</sup>R<sup>8a</sup>, (CHR)<sub>r</sub>C(O)NR<sup>8a</sup>OR<sup>8d</sup>,  
(CHR)<sub>q</sub>SO<sub>2</sub>NR<sup>8a</sup>R<sup>8a</sup>, (CHR)<sub>r</sub>C(O)OR<sup>8d</sup>, and a (CHR)<sub>r</sub>-C<sub>3-10</sub>  
carbocyclic residue substituted with 0-5 R<sup>8e</sup>;

15 R<sup>9</sup> is selected from H, C<sub>1-6</sub> alkyl, C<sub>2-6</sub> alkenyl, C<sub>2-6</sub>  
alkynyl, (CRR)<sub>r</sub>OH, (CRR)<sub>r</sub>SH, (CRR)<sub>r</sub>OR<sup>9d</sup>,  
(CRR)<sub>r</sub>S(O)<sub>p</sub>R<sup>9d</sup>, (CRR)<sub>r</sub>C(O)R<sup>9b</sup>, (CRR)<sub>r</sub>NR<sup>9a</sup>R<sup>9a</sup>,  
(CRR)<sub>r</sub>C(O)NR<sup>9a</sup>R<sup>9a</sup>, (CRR)<sub>r</sub>C(O)NR<sup>9a</sup>OR<sup>9d</sup>,  
(CRR)<sub>r</sub>SO<sub>2</sub>NR<sup>9a</sup>R<sup>9a</sup>, (CRR)<sub>r</sub>C(O)OR<sup>9d</sup>, a (CRR)<sub>r</sub>-C<sub>3-10</sub>  
carbocyclic residue substituted with 0-5 R<sup>9e</sup>, and a  
20 (CRR)<sub>r</sub>-5-10 membered heterocyclic system containing  
1-4 heteroatoms selected from N, O, and S,  
substituted with 0-3 R<sup>9e</sup>;

25 R<sup>9a</sup>, at each occurrence, is independently selected from H,  
methyl, C<sub>2-6</sub> alkyl substituted with 0-3 R<sup>9e</sup>, C<sub>3-8</sub>  
alkenyl substituted with 0-3 R<sup>9e</sup>, C<sub>3-8</sub> alkynyl  
substituted with 0-3 R<sup>9e</sup>, (CH<sub>2</sub>)<sub>r</sub>C<sub>3-6</sub> cycloalkyl, a  
(CH<sub>2</sub>)<sub>r</sub>-C<sub>3-10</sub> carbocyclic residue substituted with 0-5  
R<sup>9e</sup>, and a (CH<sub>2</sub>)<sub>r</sub>-5-10 membered heterocyclic system  
30 containing 1-4 heteroatoms selected from N, O, and  
S, substituted with 0-3 R<sup>9e</sup>;

*(B)*  
Cont 5

$R^{9b}$ , at each occurrence, is independently selected from  $C_{1-6}$  alkyl substituted with 0-3  $R^{9e}$ ,  $C_{2-8}$  alkenyl substituted with 0-3  $R^{9e}$ ,  $C_{2-8}$  alkynyl substituted with 0-3  $R^{9e}$ , a  $(CH_2)_r-C_{3-6}$  carbocyclic residue substituted with 0-2  $R^{9e}$ , and a  $(CH_2)_r-5-6$  membered heterocyclic system containing 1-4 heteroatoms selected from N, O, and S, substituted with 0-3  $R^{9e}$ ;

10  $R^{9d}$ , at each occurrence, is independently selected from H, methyl,  $-CF_3$ ,  $C_{2-6}$  alkyl substituted with 0-3  $R^{9e}$ ,  $C_{3-6}$  alkenyl substituted with 0-3  $R^{9e}$ ,  $C_{3-6}$  alkynyl substituted with 0-3  $R^{9e}$ , a  $C_{3-10}$  carbocyclic residue substituted with 0-3  $R^{9e}$ , and a  $(CH_2)_r-5-6$  membered heterocyclic system containing 1-4 heteroatoms selected from N, O, and S, substituted with 0-3  $R^{9e}$ ;

15  $R^{9e}$ , at each occurrence, is independently selected from  $C_{1-6}$  alkyl,  $C_{2-8}$  alkenyl,  $C_{2-8}$  alkynyl,  $C_{3-6}$  cycloalkyl, Cl, F, Br, I, CN,  $NO_2$ ,  $(CF_2)_rCF_3$ ,  $(CH_2)_rOC_{1-5}$  alkyl, OH,  $-O-C_{1-6}$  alkyl, SH,  $(CH_2)_rSC_{1-5}$  alkyl,  $(CH_2)_rNR^{9f}R^{9f}$ , and  $(CH_2)_r$ phenyl;

20  $R^{9f}$ , at each occurrence, is independently selected from H,  $C_{1-6}$  alkyl, and  $C_{3-6}$  cycloalkyl;

25  $R^{10}$  is selected from H,  $C_{1-6}$  alkyl,  $C_{2-6}$  alkenyl,  $C_{2-6}$  alkynyl,  $(CRR)_rOH$ ,  $(CRR)_rSH$ ,  $(CRR)_rOR^{10d}$ ,  $(CRR)_rS(O)_pR^{10d}$ ,  $(CRR)_rC(O)R^{10b}$ ,  $(CRR)_rNR^{10a}R^{10a}$ ,  $(CRR)_rC(O)NR^{10a}R^{10a}$ ,  $(CRR)_rC(O)NR^{10a}OR^{10d}$ ,

30  $(CRR)_rSO_2NR^{10a}R^{10a}$ ,  $(CRR)_rC(O)OR^{10d}$ , a  $(CRR)_r-C_{3-10}$  carbocyclic residue substituted with 0-5  $R^{10e}$ , and a  $(CRR)_r-5-10$  membered heterocyclic system containing

1-4 heteroatoms selected from N, O, and S,  
substituted with 0-3 R<sup>10e</sup>;

alternatively, R<sup>10</sup> and R<sup>11</sup> join to form a C<sub>3-6</sub> cycloalkyl  
substituted with 0-2 R<sup>10g</sup>, a 5-6 membered ring lactam  
substituted with 0-2 R<sup>10g</sup>, or a 5-6 membered ring  
lactone substituted with 0-2 R<sup>10g</sup>;

R<sup>10a</sup>, at each occurrence, is independently selected from

10 H, methyl, C<sub>2-6</sub> alkyl substituted with 0-3 R<sup>10e</sup>, C<sub>3-8</sub>  
alkenyl substituted with 0-3 R<sup>10e</sup>, C<sub>3-8</sub> alkynyl  
substituted with 0-3 R<sup>10e</sup>, (CH<sub>2</sub>)<sub>r</sub>C<sub>3-6</sub> cycloalkyl, a  
(CH<sub>2</sub>)<sub>r</sub>-C<sub>3-10</sub> carbocyclic residue substituted with 0-5  
R<sup>10e</sup>, and a (CH<sub>2</sub>)<sub>r</sub>-5-10 membered heterocyclic system  
15 containing 1-4 heteroatoms selected from N, O, and  
S, substituted with 0-3 R<sup>10e</sup>;

R<sup>10b</sup>, at each occurrence, is independently selected from  
C<sub>1-6</sub> alkyl substituted with 0-3 R<sup>10e</sup>, C<sub>2-8</sub> alkenyl

20 substituted with 0-3 R<sup>10e</sup>, C<sub>2-8</sub> alkynyl substituted  
with 0-3 R<sup>10e</sup>, a (CH<sub>2</sub>)<sub>r</sub>-C<sub>3-6</sub> carbocyclic residue  
substituted with 0-2 R<sup>10e</sup>, and a (CH<sub>2</sub>)<sub>r</sub>-5-6 membered  
heterocyclic system containing 1-4 heteroatoms  
selected from N, O, and S, substituted with 0-3 R<sup>10e</sup>;

25 R<sup>10d</sup>, at each occurrence, is independently selected from  
H, methyl, -CF<sub>3</sub>, C<sub>2-6</sub> alkyl substituted with 0-3

30 R<sup>10e</sup>, C<sub>3-6</sub> alkenyl substituted with 0-3 R<sup>10e</sup>, C<sub>3-6</sub>  
alkynyl substituted with 0-3 R<sup>10e</sup>, a C<sub>3-10</sub>  
carbocyclic residue substituted with 0-3 R<sup>10e</sup>, and a  
(CH<sub>2</sub>)<sub>r</sub>-5-6 membered heterocyclic system containing

1-4 heteroatoms selected from N, O, and S,  
substituted with 0-3 R<sup>10e</sup>;

*R*  
cont<sup>5</sup>

R<sup>10e</sup>, at each occurrence, is independently selected from C<sub>1-6</sub> alkyl, C<sub>2-8</sub> alkenyl, C<sub>2-8</sub> alkynyl, C<sub>3-6</sub> cycloalkyl, Cl, F, Br, I, CN, NO<sub>2</sub>, (CF<sub>2</sub>)<sub>r</sub>CF<sub>3</sub>, (CH<sub>2</sub>)<sub>r</sub>OC<sub>1-5</sub> alkyl, OH, -O-C<sub>1-6</sub> alkyl, SH, (CH<sub>2</sub>)<sub>r</sub>SC<sub>1-5</sub> alkyl, (CH<sub>2</sub>)<sub>r</sub>NR<sup>10f</sup>R<sup>10f</sup>, and (CH<sub>2</sub>)<sub>r</sub>phenyl;

10 R<sup>10f</sup>, at each occurrence, is independently selected from H, C<sub>1-6</sub> alkyl, and C<sub>3-6</sub> cycloalkyl;

R<sup>10g</sup> is selected from (CHR)<sub>q</sub>OH, (CHR)<sub>q</sub>SH, (CHR)<sub>q</sub>OR<sup>10d</sup>, (CHR)<sub>q</sub>S(O)<sub>p</sub>R<sup>10d</sup>, (CHR)<sub>r</sub>C(O)R<sup>10b</sup>, (CHR)<sub>q</sub>NR<sup>10a</sup>R<sup>10a</sup>, (CHR)<sub>r</sub>C(O)NR<sup>10a</sup>R<sup>10a</sup>, (CHR)<sub>r</sub>C(O)NR<sup>10a</sup>OR<sup>10d</sup>, (CHR)<sub>q</sub>SO<sub>2</sub>NR<sup>10a</sup>R<sup>10a</sup>, (CHR)<sub>r</sub>C(O)OR<sup>10d</sup>, and a (CHR)<sub>r</sub>-C<sub>3-10</sub> carbocyclic residue substituted with 0-5 R<sup>10e</sup>;

20 R<sup>11</sup>, is selected from H, C<sub>1-6</sub> alkyl, C<sub>2-6</sub> alkenyl, C<sub>2-6</sub> alkynyl, (CRR)<sub>r</sub>OH, (CRR)<sub>r</sub>SH, (CRR)<sub>r</sub>OR<sup>11d</sup>, (CRR)<sub>r</sub>S(O)<sub>p</sub>R<sup>11d</sup>, (CRR)<sub>r</sub>C(O)R<sup>11b</sup>, (CRR)<sub>r</sub>NR<sup>11a</sup>R<sup>11a</sup>, (CRR)<sub>r</sub>C(O)NR<sup>11a</sup>R<sup>11a</sup>, (CRR)<sub>r</sub>C(O)NR<sup>11a</sup>OR<sup>11d</sup>, (CRR)<sub>r</sub>SO<sub>2</sub>NR<sup>11a</sup>R<sup>11a</sup>, (CRR)<sub>r</sub>C(O)OR<sup>11d</sup>, a (CRR)<sub>r</sub>-C<sub>3-10</sub> carbocyclic residue substituted with 0-5 R<sup>11e</sup>, and a (CRR)<sub>r</sub>-5-10 membered heterocyclic system containing 1-4 heteroatoms selected from N, O, and S, substituted with 0-3 R<sup>11e</sup>;

30 R<sup>11a</sup>, at each occurrence, is independently selected from H, methyl, C<sub>2-6</sub> alkyl substituted with 0-3 R<sup>11e</sup>, C<sub>3-8</sub> alkenyl substituted with 0-3 R<sup>11e</sup>, C<sub>3-8</sub> alkynyl substituted with 0-3 R<sup>11e</sup>, (CH<sub>2</sub>)<sub>r</sub>C<sub>3-6</sub> cycloalkyl, a (CH<sub>2</sub>)<sub>r</sub>-C<sub>3-10</sub> carbocyclic residue substituted with 0-5

*R<sup>11e</sup>, and a (CH<sub>2</sub>)<sub>r</sub>-5-10 membered heterocyclic system containing 1-4 heteroatoms selected from N, O, and S, substituted with 0-3 R<sup>11e</sup>;*

*R<sup>11b</sup>, at each occurrence, is independently selected from C<sub>1-6</sub> alkyl substituted with 0-3 R<sup>11e</sup>, C<sub>2-8</sub> alkenyl substituted with 0-3 R<sup>11e</sup>, C<sub>2-8</sub> alkynyl substituted with 0-3 R<sup>11e</sup>, a (CH<sub>2</sub>)<sub>r</sub>-C<sub>3-6</sub> carbocyclic residue substituted with 0-2 R<sup>11e</sup>, and a (CH<sub>2</sub>)<sub>r</sub>-5-6 membered heterocyclic system containing 1-4 heteroatoms selected from N, O, and S, substituted with 0-3 R<sup>11e</sup>;*

*R<sup>11d</sup>, at each occurrence, is independently selected from H, methyl, -CF<sub>3</sub>, C<sub>2-6</sub> alkyl substituted with 0-3 R<sup>11e</sup>, C<sub>3-6</sub> alkynyl substituted with 0-3 R<sup>11e</sup>, a C<sub>3-10</sub> carbocyclic residue substituted with 0-3 R<sup>11e</sup>, and a (CH<sub>2</sub>)<sub>r</sub>-5-6 membered heterocyclic system containing 1-4 heteroatoms selected from N, O, and S, substituted with 0-3 R<sup>11e</sup>;*

*R<sup>11e</sup>, at each occurrence, is independently selected from C<sub>1-6</sub> alkyl, C<sub>2-8</sub> alkenyl, C<sub>2-8</sub> alkynyl, C<sub>3-6</sub> cycloalkyl, Cl, F, Br, I, CN, NO<sub>2</sub>, (CF<sub>2</sub>)<sub>r</sub>CF<sub>3</sub>, (CH<sub>2</sub>)<sub>r</sub>OC<sub>1-5</sub> alkyl, OH, -O-C<sub>1-6</sub> alkyl, SH, (CH<sub>2</sub>)<sub>r</sub>SC<sub>1-5</sub> alkyl, (CH<sub>2</sub>)<sub>r</sub>NR<sup>11f</sup>R<sup>11f</sup>, and (CH<sub>2</sub>)<sub>r</sub>phenyl;*

*R<sup>11f</sup>, at each occurrence, is independently selected from H, C<sub>1-6</sub> alkyl, and C<sub>3-6</sub> cycloalkyl;*

*R<sup>12</sup> is selected from H, C<sub>1-6</sub> alkyl, C<sub>2-6</sub> alkenyl, C<sub>2-6</sub> alkynyl, (CRR)<sub>q</sub>OH, (CRR)<sub>q</sub>SH, (CRR)<sub>q</sub>OR<sup>12d</sup>,*

*RI*  
*cont*

$(CRR)_q S(O)_p R^{12d}$ ,  $(CRR)_r C(O) R^{12b}$ ,  $(CRR)_r N R^{12a} R^{12a}$ ,  
 $(CRR)_r C(O) N R^{12a} R^{12a}$ ,  $(CRR)_r C(O) N R^{12a} O R^{12d}$ ,  
 $(CRR)_q S O_2 N R^{12a} R^{12a}$ ,  $(CRR)_r C(O) O R^{12d}$ , a  $(CRR)_r -C_3-10$   
carbocyclic residue substituted with 0-5  $R^{12e}$ , and a  
 $(CRR)_r -5-10$  membered heterocyclic system containing  
1-4 heteroatoms selected from N, O, and S,  
substituted with 0-3  $R^{12e}$ ;

$R^{12a}$ , at each occurrence, is independently selected from  
10 H, methyl,  $C_{2-6}$  alkyl substituted with 0-3  $R^{12e}$ ,  $C_{3-8}$   
alkenyl substituted with 0-3  $R^{12e}$ ,  $C_{3-8}$  alkynyl  
substituted with 0-3  $R^{12e}$ ,  $(CH_2)_r C_{3-6}$  cycloalkyl, a  
 $(CH_2)_r -C_{3-10}$  carbocyclic residue substituted with 0-5  
 $R^{12e}$ , and a  $(CH_2)_r -5-10$  membered heterocyclic system  
15 containing 1-4 heteroatoms selected from N, O, and  
S, substituted with 0-3  $R^{12e}$ ;

$R^{12b}$ , at each occurrence, is independently selected from  
C<sub>1-6</sub> alkyl substituted with 0-3  $R^{12e}$ ,  $C_{2-8}$  alkenyl  
substituted with 0-3  $R^{12e}$ ,  $C_{2-8}$  alkynyl substituted  
with 0-3  $R^{12e}$ , a  $(CH_2)_r -C_{3-6}$  carbocyclic residue  
substituted with 0-2  $R^{12e}$ , and a  $(CH_2)_r -5-6$  membered  
heterocyclic system containing 1-4 heteroatoms  
selected from N, O, and S, substituted with 0-3  $R^{12e}$ ;

25  $R^{12d}$ , at each occurrence, is independently selected from  
H, methyl,  $-CF_3$ ,  $C_{2-6}$  alkyl substituted with 0-3  
 $R^{12e}$ ,  $C_{3-6}$  alkenyl substituted with 0-3  $R^{12e}$ ,  $C_{3-6}$   
alkynyl substituted with 0-3  $R^{12e}$ , a  $C_{3-10}$   
30 carbocyclic residue substituted with 0-3  $R^{12e}$ , and a  
 $(CH_2)_r -5-6$  membered heterocyclic system containing

1-4 heteroatoms selected from N, O, and S,  
substituted with 0-3 R<sup>12e</sup>;

*Cont*  
R<sup>12e</sup>, at each occurrence, is independently selected from  
C<sub>1-6</sub> alkyl, C<sub>2-8</sub> alkenyl, C<sub>2-8</sub> alkynyl, C<sub>3-6</sub>  
cycloalkyl, Cl, F, Br, I, CN, NO<sub>2</sub>, (CF<sub>2</sub>)<sub>r</sub>CF<sub>3</sub>,  
(CH<sub>2</sub>)<sub>r</sub>OC<sub>1-5</sub> alkyl, OH, -O-C<sub>1-6</sub> alkyl, SH, (CH<sub>2</sub>)<sub>r</sub>SC<sub>1-5</sub>  
alkyl, (CH<sub>2</sub>)<sub>r</sub>NR<sup>12f</sup>R<sup>12f</sup>, and (CH<sub>2</sub>)<sub>r</sub>phenyl;

10 R<sup>12f</sup>, at each occurrence, is selected from H, C<sub>1-6</sub> alkyl,  
and C<sub>3-6</sub> cycloalkyl;

R<sup>14</sup> and R<sup>14a</sup> are independently selected from H, and  
C<sub>1-4</sub> alkyl substituted with 0-1 R<sup>14b</sup>,

15 alternatively, R<sup>14</sup> and R<sup>14a</sup> can join to form a C<sub>3-6</sub>  
cycloalkyl;

20 R<sup>14b</sup>, at each occurrence, is independently selected from  
-OH, -SH, -NR<sup>14c</sup>R<sup>14c</sup>, -C(O)NR<sup>14c</sup>R<sup>14c</sup>, -NHC(O)R<sup>14c</sup> and  
phenyl;

R<sup>14c</sup> is selected from H, C<sub>1-4</sub> alkyl and C<sub>3-6</sub> cycloalkyl;

25 R<sup>15</sup> is selected from H, C<sub>1-4</sub> alkyl, and C<sub>3-6</sub> cycloalkyl;

R<sup>16</sup> is selected from H, C<sub>1-4</sub> alkyl substituted with 0-3  
R<sup>16a</sup>, and C<sub>3-6</sub> cycloalkyl substituted with 0-3 R<sup>16a</sup>;

30 R<sup>16a</sup> is selected from C<sub>1-4</sub> alkyl, -OH, -SH, -NR<sup>16c</sup>R<sup>16c</sup>,  
-C(O)NR<sup>16c</sup>R<sup>16c</sup>, and -NHC(O)R<sup>16c</sup>;

R<sup>16c</sup> is selected from H, C<sub>1-4</sub> alkyl and C<sub>3-6</sub> cycloalkyl;

R<sup>17</sup> is selected from H, C<sub>1-4</sub> alkyl, and C<sub>3-4</sub> cycloalkyl;

n is selected from 1 and 2;

*Cont* 1 is selected from 0 and 1;

m is selected from 0 and 1;

10 p, at each occurrence, is selected from 0, 1, or 2;

15 q, at each occurrence, is selected from 1, 2, 3, or 4;  
and

r, at each occurrence, is selected from 0, 1, 2, 3, or 4.

15 3. The compound of claim 2, wherein:

R<sup>14</sup> and R<sup>14a</sup> are H;

20 R<sup>15</sup> is H; and

n is 1.

4. The compound of claim 3, wherein:

25 R<sup>16</sup> is selected from H, C<sub>1-4</sub> alkyl substituted with 0-1 R<sup>16a</sup>, wherein the alkyl is selected from methyl, ethyl, propyl, i-propyl, butyl, i-butyl, and s-butyl, and C<sub>3-4</sub> cycloalkyl substituted with 0-3 R<sup>16a</sup>  
30 wherein the cycloalkyl is selected from cyclopropyl and cyclobutyl;

R<sup>16a</sup> is selected from methyl, ethyl, propyl, i-propyl, -OH, -SH, -NR<sup>16c</sup>R<sup>16c</sup>, -C(O)NR<sup>16c</sup>R<sup>16c</sup>, and -NHC(O)R<sup>16c</sup>;  
35 and

~~R<sup>17</sup> is selected from H, methyl, ethyl, propyl, and isopropyl.~~

~~5. The compound of claim 4, wherein:~~

~~Cont 5 R<sup>9</sup> and R<sup>11</sup> are H; and~~

~~R<sup>8</sup> and R<sup>10</sup> are independently selected from H, C<sub>1-6</sub> alkyl, C<sub>2-6</sub> alkenyl, C<sub>2-6</sub> alkynyl, a (CH<sub>2</sub>)<sub>r</sub>-C<sub>3-10</sub> carbocyclic residue wherein the carbocyclic residue is selected from cyclopropyl, cyclobutyl, cyclopentyl, cyclohexyl, phenyl and naphthyl.~~

~~6. The compound of claim 5, wherein:~~

~~R<sup>3</sup> is selected from (CRR)<sub>q</sub>OH, (CRR)<sub>q</sub>SH, (CRR)<sub>q</sub>OR<sup>3d</sup>, (CRR)<sub>q</sub>S(O)<sub>p</sub>R<sup>3d</sup>, (CRR)<sub>r</sub>C(O)R<sup>3b</sup>, (CRR)<sub>q</sub>NR<sup>3a</sup>R<sup>3a</sup>, (CRR)<sub>r</sub>C(O)NR<sup>3a</sup>R<sup>3a</sup>, (CRR)<sub>r</sub>C(O)NR<sup>3a</sup>OR<sup>3d</sup>, (CRR)<sub>q</sub>SO<sub>2</sub>NR<sup>3a</sup>R<sup>3a</sup>, (CRR)<sub>r</sub>C(O)OR<sup>3d</sup>, a (CRR)<sub>r</sub>-C<sub>3-10</sub> carbocyclic residue substituted with 0-5 R<sup>3e</sup>, and a (CRR)<sub>r</sub>-5-10 membered heterocyclic system containing 1-4 heteroatoms selected from N, O, and S, substituted with 0-3 R<sup>3e</sup> wherein the heterocyclic system is selected from pyridinyl, thiophenyl, furanyl, indazolyl, benzothiazolyl, benzimidazolyl, benzothiophenyl, benzofuranyl, benzoxazolyl, benzisoxazolyl, quinolinyl, isoquinolinyl, imidazolyl, indolyl, indolinyl, isoindolyl, isothiadiazolyl, isoxazolyl, piperidinyl, pyrazolyl, pyrrolidinyl, tetrahydrofuranyl, tetrahydrothiophenyl, 1,2,4-triazolyl, 1,2,3-triazolyl, tetrazolyl, thiadiazolyl, thiazolyl, oxazolyl, pyrazinyl, and pyrimidinyl;~~

~~35 R<sup>6</sup> is selected from H, (CRR)<sub>q</sub>OH, (CRR)<sub>q</sub>SH, (CRR)<sub>q</sub>OR<sup>6d</sup>, (CRR)<sub>q</sub>S(O)<sub>p</sub>R<sup>6d</sup>, (CRR)<sub>r</sub>C(O)R<sup>6b</sup>, (CRR)<sub>q</sub>NR<sup>6a</sup>R<sup>6a</sup>,~~

*B1*  
5 *cont*

(CRR)<sub>r</sub>C(O)NR<sup>6a</sup>R<sup>6a</sup>, (CRR)<sub>r</sub>C(O)NR<sup>6a</sup>OR<sup>6d</sup>,  
(CRR)<sub>q</sub>SO<sub>2</sub>NR<sup>6a</sup>R<sup>6a</sup>, (CRR)<sub>r</sub>C(O)OR<sup>6d</sup>, a (CRR)<sub>r</sub>-C<sub>6-10</sub>  
carbocyclic residue substituted with 0-5 R<sup>6e</sup>, and a  
(CRR)<sub>r</sub>-5-10 membered heterocyclic system containing  
1-4 heteroatoms selected from N, O, and S,  
substituted with 0-6 R<sup>6e</sup> wherein the heterocyclic  
system is selected from pyridinyl, thiophenyl,  
furanyl, indazolyl, benzothiazolyl, benzimidazolyl,  
benzothiophenyl, benzofuranyl, benzoxazolyl,  
10 benzisoxazolyl, quinolinyl, isoquinolinyl,  
imidazolyl, indolyl, indolinyl, isoindolyl,  
isothiadiazolyl, isoxazolyl, piperidinyl,  
pyrazolyl, pyrrolidinyl, tetrahydrofuranol,  
tetrahydrothiophenyl, 1,2,4-triazolyl, 1,2,6-  
15 triazolyl, tetrazolyl, thiadiazolyl, thiazolyl,  
oxazolyl, pyrazinyl, and pyrimidinyl;

R<sup>7</sup> is H;

20 R<sup>12</sup> is selected from H, methyl, ethyl, and propyl;  
alternatively, R<sup>3</sup> and R<sup>12</sup> join to form a C<sub>3-6</sub> cycloalkyl  
substituted with 0-2 R<sup>3g</sup>, a C<sub>5-6</sub> lactam substituted  
with 0-2 R<sup>3g</sup>, or a C<sub>5-6</sub> lactone substituted with 0-2  
25 R<sup>3g</sup>.

*7.* The compound of claim 6, wherein:

30 R<sup>1</sup> is selected from phenyl substituted with 0-3 R<sup>4</sup> and a  
5-10 membered heteroaryl system substituted with 0-3  
R<sup>4</sup>, wherein the heteroaryl is selected from  
benzimidazolyl, benzofuranyl, benzothiophenyl,  
benzoxazolyl, benzthiazolyl, benztriazolyl,  
benztetrazolyl, benzisoxazolyl, benzisothiazolyl,  
35 benzimidazolonyl, cinnolinyl, furanyl, imidazolyl,  
indazolyl, indolyl, isoquinolinyl isothiazolyl,

isoxazolyl, oxazolyl, pyrazinyl, pyrazolyl,  
pyridazinyl, pyridinyl, pyrimidinyl, pyrrolyl,  
quinazolinyl, quinolinyl, thiazolyl, thienyl, and  
tetrazolyl;

5

*cont*

*R<sup>2</sup>* is selected from phenyl substituted with 0-3 *R<sup>5</sup>* and a  
5-10 membered heteroaryl system containing 1-4  
heteroatoms substituted with 0-3 *R<sup>5</sup>*, wherein the  
heteroaryl system is selected from benzimidazolyl,  
10 benzofuranyl, benzothiofuranyl, benzoxazolyl,  
benzthiazolyl, benztriazolyl, benztetrazolyl,  
benzisoxazolyl, benzisothiazolyl, benzimidazolonyl,  
cinnolinyl, furanyl, imidazolyl, indazolyl, indolyl,  
isoquinolinyl isothiazolyl, isoxazolyl, oxazolyl,  
15 pyrazinyl, pyrazolyl, pyridazinyl, pyridinyl,  
pyrimidinyl, pyrrolyl, quinazolinyl, quinolinyl,  
thiazolyl, thienyl, and tetrazolyl.

15

8. The compound of claim 7, wherein:

*a<sup>3</sup>* 20  
*X* is *CHR<sup>16</sup>R<sup>17</sup>*;

25

*R<sup>4</sup>*, at each occurrence, is selected from *C<sub>1-8</sub>* alkyl, *C<sub>2-8</sub>*  
alkenyl, *C<sub>2-8</sub>* alkynyl,  $(CR'R')_rC_{3-6}$  cycloalkyl, *C<sub>1</sub>*,  
*Br*, *I*, *F*, *NO<sub>2</sub>*, *CN*,  $(CR'R')_rNR^{4a}R^{4a}$ ,  $(CR'R')_rOH$ ,  
 $(CR'R')_rOR^{4d}$ ,  $(CR'R')_rSH$ ,  $(CR'R')_rSR^{4d}$ ,  
 $(CR'R')_rC(O)OH$ ,  $(CR'R')_rC(O)R^{4b}$ ,  $(CR'R')_rC(O)NR^{4a}R^{4a}$ ,  
 $(CR'R')_rNR^{4f}C(O)R^{4b}$ ,  $(CR'R')_rC(O)OR^{4d}$ ,  
 $(CR'R')_rOC(O)R^{4b}$ ,  $(CR'R')_rNR^{4f}C(O)OR^{4d}$ ,  
30  $(CR'R')_rOC(O)NR^{4a}R^{4a}$ ,  $(CR'R')_rNR^{4a}C(O)NR^{4a}R^{4a}$ ,  
 $(CR'R')_rS(O)R^{4b}$ ,  $(CR'R')_rS(O)_2NR^{4a}R^{4a}$ ,  
 $(CR'R')_rNR^{4f}S(O)_2R^{4b}$ ,  $(CR'R')_rNR^{4f}S(O)_2NR^{4a}R^{4a}$ , *C<sub>1-6</sub>*  
haloalkyl, and  $(CR'R')_r$ phenyl substituted with 0-3  
*R<sup>4e</sup>*;

35

contd.  
a 3

alternatively, two R<sup>4</sup> on adjacent atoms join to form  
-O-(CH<sub>2</sub>)-O-;

5 R<sup>4a</sup>, at each occurrence, is independently selected from H,  
methyl, ethyl, propyl, i-propyl, butyl, s-butyl, i-  
butyl, t-butyl, pentyl, hexyl, allyl, propargyl, and  
a (CH<sub>2</sub>)<sub>r</sub>-C<sub>3-6</sub> carbocyclic residue selected from  
cyclopropyl, cyclobutyl, cyclopentyl and cyclohexyl;

10 R<sup>4b</sup>, at each occurrence, is selected from methyl, ethyl,  
propyl, i-propyl, butyl, s-butyl, i-butyl, t-butyl,  
pentyl, hexyl, allyl, propargyl, a (CH<sub>2</sub>)<sub>r</sub>-C<sub>3-6</sub>  
carbocyclic residue substituted with 0-3 R<sup>4e</sup>, wherein  
the carbocyclic residue is selected from  
15 cyclopropyl, cyclobutyl, cyclopentyl and cyclohexyl,  
and a (CH<sub>2</sub>)<sub>r</sub>-5-6 membered heterocyclic system  
containing 1-4 heteroatoms selected from N, O, and  
S, substituted with 0-2 R<sup>4e</sup>, wherein the heterocyclic  
system is selected from pyridinyl, thiophenyl,  
20 furanyl, indazolyl, benzothiazolyl, benzimidazolyl,  
benzothiophenyl, benzofuranyl, benzoxazolyl,  
benzisoxazolyl, quinolinyl, isoquinolinyl,  
imidazolyl, indolyl, indolinyl, isoindolyl,  
isothiadiazolyl, isoxazolyl, piperidinyl,  
25 pyrazolyl, 1,2,4-triazolyl, 1,2,3-triazolyl,  
tetrazolyl, thiadiazolyl, thiazolyl, oxazolyl,  
pyrazinyl, and pyrimidinyl;

30 R<sup>4d</sup>, at each occurrence, is selected from H, methyl, CF<sub>3</sub>,  
ethyl, propyl, i-propyl, butyl, s-butyl, i-butyl, t-  
butyl, pentyl, hexyl, allyl, propargyl, and a (CH<sub>2</sub>)<sub>r</sub>-  
C<sub>3-6</sub> carbocyclic residue selected from cyclopropyl,  
cyclobutyl, cyclopentyl and cyclohexyl;

35 R<sup>4e</sup>, at each occurrence, is selected from C<sub>1-6</sub> alkyl, C<sub>2-8</sub>  
alkenyl, C<sub>2-8</sub> alkynyl, (CH<sub>2</sub>)<sub>r</sub>C<sub>3-6</sub> cycloalkyl, Cl, F,

contd.  
a 3

Br, I, CN, NO<sub>2</sub>, (CF<sub>2</sub>)<sub>r</sub>CF<sub>3</sub>, (CH<sub>2</sub>)<sub>r</sub>OC<sub>1-5</sub> alkyl, OH, SH, (CH<sub>2</sub>)<sub>r</sub>SC<sub>1-5</sub> alkyl, (CH<sub>2</sub>)<sub>r</sub>NR<sup>4f</sup>R<sup>4f</sup>, and (CH<sub>2</sub>)<sub>r</sub>phenyl;

5 R<sup>4f</sup>, at each occurrence, is selected from H, methyl, ethyl, propyl, i-propyl, butyl, and cyclopropyl, cyclobutyl, and phenyl;

10 R<sup>5</sup>, at each occurrence, is selected from methyl, ethyl, propyl, i-propyl, butyl, i-butyl, s-butyl, t-butyl, pentyl, hexyl, (CR'R')<sub>r</sub>C<sub>3-6</sub> cycloalkyl, Cl, Br, I, F, NO<sub>2</sub>, CN, (CR'R')<sub>r</sub>NR<sup>5a</sup>R<sup>5a</sup>, (CR'R')<sub>r</sub>OH, (CR'R')<sub>r</sub>OR<sup>5d</sup>, (CR'R')<sub>r</sub>SH, (CR'R')<sub>r</sub>C(O)H, (CR'R')<sub>r</sub>SR<sup>5d</sup>, (CR'R')<sub>r</sub>C(O)OH, (CR'R')<sub>r</sub>C(O)R<sup>5b</sup>, (CR'R')<sub>r</sub>C(O)NR<sup>5a</sup>R<sup>5a</sup>, (CR'R')<sub>r</sub>NR<sup>5f</sup>C(O)R<sup>5b</sup>, (CR'R')<sub>r</sub>C(O)OR<sup>5d</sup>, (CR'R')<sub>r</sub>OC(O)R<sup>5b</sup>, (CR'R')<sub>r</sub>NR<sup>5f</sup>C(O)OR<sup>5d</sup>, (CR'R')<sub>r</sub>OC(O)NR<sup>5a</sup>R<sup>5a</sup>, (CR'R')<sub>r</sub>NR<sup>5a</sup>C(O)NR<sup>5a</sup>R<sup>5a</sup>, (CR'R')<sub>r</sub>NR<sup>7a</sup>C(O)NR<sup>7a</sup>R<sup>7a</sup>, (CR'R')<sub>r</sub>NR<sup>7a</sup>C(O)O(CR'R')<sub>r</sub>R<sup>7d</sup>, (CR'R')<sub>r</sub>S(O)<sub>p</sub>R<sup>5b</sup>, (CR'R')<sub>r</sub>S(O)<sub>2</sub>NR<sup>5a</sup>R<sup>5a</sup>, (CR'R')<sub>r</sub>NR<sup>5f</sup>S(O)<sub>2</sub>R<sup>5b</sup>, C<sub>1-6</sub> haloalkyl, and 20 (CHR')<sub>r</sub>phenyl substituted with 0-3 R<sup>5e</sup>;

alternatively, two R<sup>5</sup> on adjacent atoms join to form -O-(CH<sub>2</sub>)-O-;

25 R<sup>5a</sup>, at each occurrence, is independently selected from H, methyl, ethyl, propyl, i-propyl, butyl, s-butyl, i-butyl, t-butyl, pentyl, hexyl, allyl, propargyl, and a (CH<sub>2</sub>)<sub>r</sub>-C<sub>3-10</sub> carbocyclic residue substituted with 0-1 R<sup>5e</sup>, wherein the carbocyclic residue is selected 30 from cyclopropyl, cyclobutyl, cyclopentyl, cyclohexyl, phenyl and naphthyl;

35 R<sup>5b</sup>, at each occurrence, is selected from methyl, ethyl, propyl, i-propyl, butyl, s-butyl, i-butyl, t-butyl, pentyl, hexyl, allyl, propargyl, a (CH<sub>2</sub>)<sub>r</sub>-C<sub>3-6</sub> carbocyclic residue selected from cyclopropyl,

contd.

a<sup>3</sup>

cyclobutyl, cyclopentyl, cyclohexyl, and phenyl; and a  $(\text{CH}_2)_r$ -5-6 membered heterocyclic system containing 1-4 heteroatoms selected from N, O, and S, wherein the heterocyclic system is selected from pyridinyl,

5 thiophenyl, furanyl, indazolyl, azetidinyl, benzothiazolyl, benzimidazolyl, benzothiophenyl, benzofuranyl, benzoxazolyl, benzisoxazolyl, quinolinyl, isoquinolinyl, imidazolyl, indolyl, indolinyl, isoindolyl, isothiadiazolyl, isoxazolyl, 10 morphlinyl, piperidinyl, pyrrolyl, 2,5-dihydropyrrolyl, pyrazolyl, 1,2,4-triazolyl, 1,2,3-triazolyl, tetrazolyl, thiadiazolyl, thiazolyl, oxazolyl, pyrazinyl, and pyrimidinyl;

15 R<sup>5d</sup>, at each occurrence, is selected from H, methyl, CF<sub>3</sub>, ethyl, propyl, i-propyl, butyl, s-butyl, i-butyl, t-butyl, pentyl, hexyl, allyl, propargyl, and a  $(\text{CH}_2)_r$ -C<sub>3-6</sub> carbocyclic residue selected from cyclopropyl, cyclobutyl, cyclopentyl and cyclohexyl;

20 R<sup>5e</sup>, at each occurrence, is selected from C<sub>1-6</sub> alkyl, C<sub>2-8</sub> alkenyl, C<sub>2-8</sub> alkynyl,  $(\text{CH}_2)_r$ C<sub>3-6</sub> cycloalkyl, Cl, F, Br, I, CN, NO<sub>2</sub>, (CF<sub>2</sub>)<sub>r</sub>CF<sub>3</sub>, (CH<sub>2</sub>)<sub>r</sub>OC<sub>1-5</sub> alkyl, OH, SH, (CH<sub>2</sub>)<sub>r</sub>SC<sub>1-5</sub> alkyl, (CH<sub>2</sub>)<sub>r</sub>NR<sup>4f</sup>R<sup>4f</sup>, and (CH<sub>2</sub>)<sub>r</sub>phenyl; and

25 R<sup>5f</sup>, at each occurrence, is selected from H, methyl, ethyl, propyl, i-propyl, butyl, and cyclopropyl, cyclobutyl, and phenyl.

30 9. The compound of claim 8, wherein:

*B1*  
*cont*

R<sup>5</sup> is selected from methyl, ethyl, propyl, i-propyl, butyl, i-butyl, s-butyl, pentyl, hexyl, CF<sub>3</sub>, CF<sub>2</sub>CF<sub>3</sub>, CF<sub>2</sub>H, OCF<sub>3</sub>, Cl, Br, I, F, SCF<sub>3</sub>, NR<sup>5a</sup>R<sup>5a</sup>, NHC(O)OR<sup>5a</sup>, NHC(O)R<sup>5b</sup>, and NHC(O)NHR<sup>5a</sup>; and

R<sup>12</sup> is selected from H and methyl.

*R1*  
Cont

10. A compound of claim 9, wherein:

5 Z is  $-C(O)-$ ;

X is  $-CHR^{16}NR^{17}-$ ;

10 R<sup>1</sup> is selected from phenyl substituted with 0-3 R<sup>4</sup>, and a  
5-10 membered heteroaryl system substituted with 0-2  
10 R<sup>4</sup>, wherein the heteroaryl is selected from indolyl,  
and pyridyl;

R<sup>2</sup> is phenyl substituted with 0-2 R<sup>5</sup>;

15 R<sup>3</sup> is selected from  $(CRR)_qOH$ ,  $(CRR)_qOR^{3d}$ ,  $(CH_2)_rC(O)OH$ ,  
 $(CH_2)_rC(O)NR^{3a}R^{3a}$ ,  $(CHR)_rC(O)NR^{3a}OR^{3d}$ ,  $(CH_2)C(O)R^{3b}$ ,  
 $(CH_2)_rC(O)OR^{3d}$ , and  $(CH_2)-phenyl$ ;

20 alternatively, R<sup>3</sup> and R<sup>12</sup> join to form cyclopropyl,  
cyclopentyl or cyclohexyl;

25 R<sup>3a</sup> is selected from H, methyl, ethyl, propyl, i-propyl,  
butyl, i-butyl, s-butyl, t-butyl, allyl,  $CH_2CF_3$ ,  
 $C(CH_3)CH_2CH_2OH$ , cyclopropyl, 1-methylcyclopropyl,  
cyclobutyl, cyclopentyl, cyclohexyl, phenyl, and  
benzyl;

30 R<sup>3b</sup> is selected from pyrrolidinyl, pyrrolid-3-enyl, and  
morpholinyl;

R<sup>3d</sup> is selected from methyl, ethyl, propyl, i-propyl,  
butyl, i-butyl, t-butyl and benzyl;

35 R is selected from H, methyl, ethyl, propyl, i-propyl,  
butyl, i-butyl, s-butyl, pentyl, neopentyl, phenyl  
and benzyl;

R<sup>4</sup> is selected from methyl, ethyl, propyl, i-propyl, butyl, ethylene, OCH<sub>3</sub>, OCF<sub>3</sub>, SCH<sub>3</sub>, SO<sub>2</sub>CH<sub>3</sub>, Cl, F, Br, CN;

5 alternatively, two R<sup>4</sup> join to form -O-(CH<sub>2</sub>)-O-;

R<sup>6</sup> is selected from H, methyl, ethyl, propyl, i-propyl, butyl, C(O)OCH<sub>3</sub>, C(O)NHCH<sub>2</sub>CH<sub>3</sub>;

10 R<sup>7</sup>, R<sup>9</sup>, and R<sup>11</sup> are H;

R<sup>8</sup> is H;

15 R<sup>10</sup> is selected from H and methyl;

R<sup>16</sup> is selected from H and methyl;

R<sup>17</sup> is selected from H and methyl;

20 m is 0 or 1;

l is 0 or 1

r is 0 or 1; and

25 q is 1.

11. The compound of claim 1, wherein

30 R<sup>3</sup> is H; and

R<sup>6</sup>, is selected from C<sub>1-6</sub> alkyl, C<sub>2-6</sub> alkenyl, C<sub>2-6</sub> alkynyl, (CRR)<sub>q</sub>OH, (CRR)<sub>q</sub>SH, (CRR)<sub>q</sub>OR<sup>6d</sup>, (CRR)<sub>q</sub>S(O)<sub>p</sub>R<sup>6d</sup>, (CRR)<sub>r</sub>C(O)R<sup>6b</sup>, (CRR)<sub>r</sub>NR<sup>6a</sup>R<sup>6a</sup>, (CRR)<sub>r</sub>C(O)NR<sup>6a</sup>R<sup>6a</sup>, (CRR)<sub>r</sub>C(O)NR<sup>6a</sup>OR<sup>6d</sup>, (CRR)SO<sub>2</sub>NR<sup>6a</sup>R<sup>6a</sup>, (CRR)<sub>r</sub>C(O)OR<sup>6d</sup>, a (CRR)<sub>r</sub>-C<sub>3-10</sub> carbocyclic residue

substituted with 0-5 R<sup>6e</sup>, and a (CRR)<sub>r</sub>-5-10 membered heterocyclic system containing 1-4 heteroatoms selected from N, O, and S, substituted with 0-3 R<sup>6e</sup>.

B1

cont

5 12. The compound of claim 11, wherein

R<sup>14</sup> and R<sup>14a</sup> are H;

10 R<sup>15</sup> is H;

n is 1;

15 R<sup>16</sup> is selected from H, C<sub>1-4</sub> alkyl substituted with 0-1 R<sup>16a</sup>, wherein the alkyl is selected from methyl, ethyl, propyl, i-propyl, butyl, i-butyl, and s-butyl, and C<sub>3-4</sub> cycloalkyl substituted with 0-3 R<sup>16a</sup> wherein the cycloalkyl is selected from cyclopropyl and cyclobutyl;

20 R<sup>16a</sup> is selected from methyl, ethyl, propyl, i-propyl, -OH, -SH, -NR<sup>16c</sup>R<sup>16c</sup>, -C(O)NR<sup>16c</sup>R<sup>16c</sup>, and -NHC(O)R<sup>16c</sup>;

25 R<sup>17</sup> is selected from H, methyl, ethyl, propyl, and i-propyl;

R<sup>9</sup> and R<sup>11</sup> are H; and

30 R<sup>8</sup> and R<sup>10</sup> are independently selected from H, C<sub>1-6</sub> alkyl, C<sub>2-6</sub> alkenyl, C<sub>2-6</sub> alkynyl, a (CH<sub>2</sub>)<sub>r</sub>-C<sub>3-10</sub> carbocyclic residue wherein the carbocyclic residue is selected from cyclopropyl, cyclobutyl, cyclopentyl, cyclohexyl, phenyl and naphthyl.

35 13. The compound of claim 12, wherein

x is CHR<sup>16</sup>R<sup>17</sup>;

Amend.  
a 4

contd.  
a4

5 R<sup>5</sup> is selected from methyl, ethyl, propyl, i-propyl, butyl, i-butyl, s-butyl, pentyl, hexyl, CF<sub>3</sub>, CF<sub>2</sub>CF<sub>3</sub>, CF<sub>2</sub>H, OCF<sub>3</sub>, Cl, Br, I, F, SCF<sub>3</sub>, NR<sup>5a</sup>R<sup>5a</sup>, NHC(O)OR<sup>5a</sup>, NHC(O)R<sup>5b</sup>, and NHC(O)NHR<sup>5a</sup>; and

5

R<sup>12</sup> is selected from H and methyl;

z is -C(O)-;

10 R<sup>1</sup> is selected from phenyl substituted with 0-3 R<sup>4</sup>, and a 5-10 membered heteroaryl system substituted with 0-2 R<sup>4</sup>, wherein the heteroaryl is selected from indolyl, and pyridyl;

15 R<sup>2</sup> is phenyl substituted with 0-2 R<sup>5</sup>;

20 R<sup>3</sup> is selected from (CRR)<sub>q</sub>OH, (CRR)<sub>q</sub>OR<sup>3d</sup>, (CH<sub>2</sub>)<sub>r</sub>C(O)OH, (CH<sub>2</sub>)<sub>r</sub>C(O)NR<sup>3a</sup>R<sup>3a</sup>, (CHR)<sub>r</sub>C(O)NR<sup>3a</sup>OR<sup>3d</sup>, (CH<sub>2</sub>)C(O)R<sup>3b</sup>, (CH<sub>2</sub>)<sub>r</sub>C(O)OR<sup>3d</sup>, and (CH<sub>2</sub>)-phenyl;

20

alternatively, R<sup>3</sup> and R<sup>12</sup> join to form cyclopropyl, cyclopentyl or cyclohexyl;

25

R<sup>3a</sup> is selected from H, methyl, ethyl, propyl, i-propyl, butyl, i-butyl, s-butyl, t-butyl, allyl, CH<sub>2</sub>CF<sub>3</sub>, C(CH<sub>3</sub>)CH<sub>2</sub>CH<sub>2</sub>OH, cyclopropyl, 1-methylcyclopropyl, cyclobutyl, cyclopentyl, cyclohexyl, phenyl, and benzyl;

30

R<sup>3b</sup> is selected from pyrrolidinyl, pyrrolid-3-enyl, and morpholinyl;

35 R<sup>3d</sup> is selected from methyl, ethyl, propyl, i-propyl, butyl, i-butyl, t-butyl and benzyl

35

contd.  
a<sup>4</sup>

R is selected from H, methyl, ethyl, propyl, i-propyl, butyl, i-butyl, s-butyl, pentyl, neopentyl, phenyl and benzyl;

5 R<sup>4</sup> is selected from methyl, ethyl, propyl, i-propyl, butyl, ethylene, OCH<sub>3</sub>, OCF<sub>3</sub>, SCH<sub>3</sub>, SO<sub>2</sub>CH<sub>3</sub>, Cl, F, Br, CN;

alternatively, two R<sup>4</sup> join to form -O-(CH<sub>2</sub>)-O-;

10 R<sup>6</sup> is selected from H, methyl, ethyl, propyl, i-propyl, butyl, C(O)OCH<sub>3</sub>, C(O)NHCH<sub>2</sub>CH<sub>3</sub>;

15 R<sup>7</sup>, R<sup>9</sup>, and R<sup>11</sup> are H;

20 R<sup>8</sup> is H;

R<sup>10</sup> is selected from H and methyl;

25 R<sup>16</sup> is selected from H and methyl;

R<sup>17</sup> is selected from H and methyl;

30 m is 0 or 1;

l is 0 or 1

r is 0 or 1; and

35 q is 1.

14. The compound of claim 1, wherein the compound is selected from :

35 Methyl (2S)-3-[[[(2,4-dimethylphenyl)methyl]amino]-2-  
[[[[3-(trifluoromethyl)benzoyl]amino]acetyl]amino]-  
propanoate;

*B1*  
Cont 5

Methyl (2*R*)-3-[(2,4-dimethylphenyl)methyl]amino]-2-  
[[[3-(trifluoromethyl)benzoyl]amino]acetyl]amino]-  
propanoate;

(2*S*)-3-[(2,4-dimethylphenyl)methyl]amino]-2-[[[3-  
(trifluoromethyl)benzoyl]amino]acetyl]amino]-  
propanoic acid;

(2*S*)-*N*-Methyl-3-[(2,4-dimethylphenyl)methyl]amino]-2-  
[[[3-(trifluoromethyl)benzoyl]amino]acetyl]amino]-  
propanamide;

(2*S*)-3-[(2,4-dimethylphenyl)methyl]amino]-2-[[[3-  
(trifluoromethyl)benzoyl]amino]acetyl]amino]-  
propanamide;

(2*R*)-3-[(2,4-dimethylphenyl)methyl]amino]-2-[[[3-  
(trifluoromethyl)benzoyl]amino]acetyl]amino]-  
propanamide;

(2*S*)-*N*-Ethyl-3-[(2,4-dimethylphenyl)methyl]amino]-2-  
[[[3-(trifluoromethyl)benzoyl]amino]acetyl]amino]-  
propanamide;

(2*S*)-*N*-Benzyl-3-[(2,4-dimethylphenyl)methyl]amino]-2-  
[[[3-(trifluoromethyl)benzoyl]amino]acetyl]amino]-  
propanamide;

(2*S*)-*N*-Isopropyl-3-[(2,4-dimethylphenyl)methyl]amino]-2-  
[[[3-(trifluoromethyl)benzoyl]amino]acetyl]amino]-  
propanamide;

(2*S*)-*N*-*tert*-Butyl-3-[(2,4-dimethylphenyl)methyl]amino]-  
2-[[[3-  
(trifluoromethyl)benzoyl]amino]acetyl]amino]-  
propanamide;

(2*S*)-*N*-Cyclopropyl-3-[(2,4-dimethylphenyl)methyl]amino]-  
2-[[[3-

*cont*

5 (2S)-N-Cyclobutyl-3-[(2,4-dimethylphenyl)methyl]amino]-  
2-[[3-(trifluoromethyl)benzoyl]amino]acetyl]amino]-  
propanamide;

10 (2S)-N-Phenyl-3-[(2,4-dimethylphenyl)methyl]amino]-2-  
2-[[3-(trifluoromethyl)benzoyl]amino]acetyl]amino]-  
propanamide;

15 (2S)-N,N-Dimethyl-3-[(2,4-dimethylphenyl)methyl]amino]-  
2-[[3-(trifluoromethyl)benzoyl]amino]acetyl]amino]-  
propanamide;

20 (2S)-N-Methyl,N-methoxy-3-[(2,4-  
dimethylphenyl)methyl]amino]-2-[[3-(  
trifluoromethyl)benzoyl]amino]acetyl]amino]-  
propanamide;

25 Methyl (2S)-3-[(4-chlorophenyl)methyl]amino]-2-[[3-(  
trifluoromethyl)benzoyl]amino]acetyl]amino]-  
propanoate;

30 (2S)-3-[(4-chlorophenyl)methyl]amino]-2-[[3-(  
trifluoromethyl)benzoyl]amino]acetyl]amino]-  
propanamide;

35 (2S)-N-Ethyl-3-[(4-chlorophenyl)methyl]amino]-2-[[3-(  
trifluoromethyl)benzoyl]amino]acetyl]amino]-  
propanamide;

35 Methyl (2S)-3-[(1S/R)-1-(4-chlorophenyl)ethyl]amino]-2-  
[[3-(trifluoromethyl)benzoyl]amino]acetyl]amino]-  
propanoate;

*B1* 5  
Cont  
Methyl (2*S*)-3-[(*1S/R*)-1-(2,4-dimethylphenyl)ethyl]amino]-2-[[[[3-(trifluoromethyl)benzoyl]amino]acetyl]amino]-propanoate;

10 (2*S*)-3-[(1*H*-indol-3-ylmethyl)amino]-2-[[[[3-(trifluoromethyl)benzoyl]amino]acetyl]amino]-propanoate;

15 (2*S*)-3-[(1*H*-indol-3-ylmethyl)amino]-2-[[[[3-(trifluoromethyl)benzoyl]amino]acetyl]amino]-propanamide;

20 (2*S*)-3-[(1,3-benzodioxol-5-ylmethyl)amino]-2-[[[[3-(trifluoromethyl)benzoyl]amino]acetyl]amino]-propanoate;

25 (2*S*)-3-[(4-bromophenyl)methyl]amino]-2-[[[[3-(trifluoromethyl)benzoyl]amino]acetyl]amino]-propanoate;

30 (2*S*)-2-[[[[2-[(1,1-dimethylethoxy)carbonyl]amino]-5-(trifluoromethyl)benzoyl]amino]acetyl]amino]-3-[(2,4-dimethylphenyl)methyl]amino]-propanoate;

35 (2*S*)-2-[[[[2-amino-5-(trifluoromethyl)benzoyl]amino]acetyl]amino]-3-[(2,4-dimethylphenyl)methyl]amino]-propanoate;

(2*S*)-2-[[[[2-amino-5-(trifluoromethyl)benzoyl]amino]acetyl]amino]-3-[(2,4-dimethylphenyl)methyl]amino]-propanamide;

40 *N*-[2-[(*1S*)-2-[(2,4-dimethylphenyl)methyl]amino]-1-(hydroxymethyl)ethyl]amino]-2-oxoethyl]-3-(trifluoromethyl)benzamide;

*B1*  
Cont<sup>5</sup>

*N*-[2-[[*(1R)*-2-[[*(2,4-dimethylphenyl)methyl*amino]-1-hydroxymethyl]ethyl]amino]-2-oxoethyl]-3-(trifluoromethyl)benzamide;

5 *N*-[2-[[*(1S, 2S/R)*-1-[[*(2,4-dimethylphenyl)methyl*amino]methyl]-2-hydroxypropyl]amino]-2-oxoethyl]-3-(trifluoromethyl)benzamide;

10 *tert*-Butyl (*3R*)-4-[[*(2,4-dimethylphenyl)methyl*amino]-3-[[[3-(trifluoromethyl)benzoyl]amino]acetyl]amino]-butanoate;

15 *N*-[2-[[*(1R)*-2-[[*(2,4-dimethylphenyl)methyl*amino]-1-(phenylmethyl)ethyl]amino]-2-oxoethyl]-3-(trifluoromethyl)benzamide;

20 (*2S*)-*N*-*tert*-Butyl-2-[[[2-[[*(1,1-dimethylethoxy)carbonyl*]amino]-5-(trifluoromethyl)benzoyl]amino]acetyl]amino]-3-[[*(2,4-dimethylphenyl)methyl*amino]-propanamide;

25 (*2S*)-*N*-*tert*-Butyl-2-[[[2-amino-5-(trifluoromethyl)benzoyl]amino]acetyl]amino]-3-[[*(2,4-dimethylphenyl)methyl*amino]-propanamide;

30 (*2S*)-*N*-*tert*-Butyl-3-[[*(4-bromo, 2-methylphenyl)methyl*amino]-2-[[[2-[[*(1,1-dimethylethoxy)carbonyl*]amino]-5-(trifluoromethyl)benzoyl]amino]acetyl]amino]-propanamide;

35 (*2S*)-*N*-*tert*-Butyl-2-[[[2-amino-5-(trifluoromethyl)benzoyl]amino]acetyl]amino]-3-[[*(4-bromo, 2-methylphenyl)methyl*amino]-propanamide;

*N*-[2-[[*(1S, 2S)*-1-[[*(2,4-dimethylphenyl)methyl*amino]methyl]-2-hydroxy-3-

*B*  
Cont 5

~~(methyl)butyl]amino]-2-oxoethyl]-3-(trifluoromethyl)benzamide;~~

~~N-[2-[[[(1S, 2R)-1-[[[(2,4-dimethylphenyl)methyl]amino]methyl]-2-hydroxy-3-(methyl)butyl]amino]-2-oxoethyl]-3-(trifluoromethyl)benzamide;~~

~~N-[2-[[[(1S, 2S)-1-[[[(2,4-dimethylphenyl)methyl]amino]methyl]-2-hydroxy-2-(phenyl)ethyl]amino]-2-oxoethyl]-3-(trifluoromethyl)benzamide;~~

~~N-[2-[[[(1S, 2R)-1-[[[(2,4-dimethylphenyl)methyl]amino]methyl]-2-hydroxy-2-(phenyl)ethyl]amino]-2-oxoethyl]-3-(trifluoromethyl)benzamide;~~

~~N-[2-[[[(1S, 2S)-1-[[[(2,4-dimethylphenyl)methyl]amino]methyl]-2-hydroxy-3-(phenyl)propyl]amino]-2-oxoethyl]-3-(trifluoromethyl)benzamide;~~

~~N-[2-[[[(1S, 2R)-1-[[[(2,4-dimethylphenyl)methyl]amino]methyl]-2-hydroxy-3-(phenyl)propyl]amino]-2-oxoethyl]-3-(trifluoromethyl)benzamide;~~

~~N-[2-[[[(1S, 2S)-1-[[[(2,4-dimethylphenyl)methyl]amino]methyl]-2-hydroxy-4-(methyl)pentyl]amino]-2-oxoethyl]-3-(trifluoromethyl)benzamide;~~

~~N-[2-[[[(1S, 2R)-1-[[[(2,4-dimethylphenyl)methyl]amino]methyl]-2-hydroxy-4-(methyl)pentyl]amino]-2-oxoethyl]-3-(trifluoromethyl)benzamide;~~

~~N-[2-[[[(1*S*, 2*S*)-1-[[[(2,4-~~  
~~dimethylphenyl)methyl]amino)methyl]-2-~~  
~~(hydroxy)butyl]amino]-2-oxoethyl]-3-~~  
~~(trifluoromethyl)benzamide;~~

B1  
cont<sup>5</sup>

*N*-[2-[[[(1*S*, 2*R*)-1-[[[(2,4-dimethylphenyl)methyl]amino]methyl]-2-(hydroxy)butyl]amino]-2-oxoethyl]-3-(trifluoromethyl)benzamide;

10

*N*-[2-[[[(1*S*, 2*S*)-1-[[[(2,4-  
dimethylphenyl)methyl]amino]methyl]-2-  
(hydroxy)butyl]amino]-2-oxoethyl]-2-[[[(1,1-  
dimethylethoxy)carbonyl]amino]-5-  
(trifluoromethyl)benzamide:

15

*N*-[2-[[[(1*S*, 2*S*)-1-[[[(2,4-  
dimethylphenyl)methyl]amino)methyl]-2-  
(hydroxy)butyl]amino]-2-oxoethyl]-2-amino-5-  
(trifluoromethyl)benzamide:

20

*N*-[2-[[[(1*S*, 2*S*)-1-[[[(2,4-  
dimethylphenyl)methyl]amino]methyl]-2-hydroxy-4-  
(methyl)pentyl]amino]-2-oxoethyl]-2-[(1,1-  
dimethylethoxy)carbonyl]amino]-5-  
(trifluoromethyl)benzamide:

25

*N*-[2-[[[(1*S*, 2*R*)-1-[[[(2,4-  
dimethylphenyl)methyl]amino]methyl]-2-hydroxy-4-  
(methyl)pentyl]amino]-2-oxoethyl]-2-[[[(1,1-  
dimethylethoxy)carbonyl]amino]-5-  
(trifluoromethyl)benzamide;

30

*N*-[2-[[[(1*S*, 2*S*)-1-[[[(2,4-  
dimethylphenyl)methyl]amino]methyl]-2-hydroxy-4-  
(methyl)pentyl]amino]-2-oxoethyl]-2-amino-5-  
(trifluoromethyl)benzamide;

*B*  
5  
Cont

*N*-[2-[[[(1*S*, 2*R*)-1-[[[(2,4-  
dimethylphenyl)methyl]amino]methyl]-2-hydroxy-4-  
(methyl)pentyl]amino]-2-oxoethyl]-2-amino-5-  
(trifluoromethyl)benzamide;

10  
15  
20  
25  
30  
35

*N*-[2-[[[(1*S*, 2*S*)-1-[[[(2,4-  
dimethylphenyl)methyl]amino]methyl]-4,4-dimethyl-2-  
(hydroxy)pentyl]amino]-2-oxoethyl]-3-  
(trifluoromethyl)benzamide;

*N*-[2-[[[(1*S*, 2*R*)-1-[[[(2,4-  
dimethylphenyl)methyl]amino]methyl]-4,4-dimethyl-2-  
(hydroxy)pentyl]amino]-2-oxoethyl]-3-  
(trifluoromethyl)benzamide;

*N*-[2-[[[(1*S*, 2*S*)-1-[[[(2,4-  
dimethylphenyl)methyl]amino]methyl]-2-  
(hydroxy)pentyl]amino]-2-oxoethyl]-3-  
(trifluoromethyl)benzamide;

*N*-[2-[[[(1*S*, 2*R*)-1-[[[(2,4-  
dimethylphenyl)methyl]amino]methyl]-2-  
(hydroxy)pentyl]amino]-2-oxoethyl]-3-  
(trifluoromethyl)benzamide;

*N*-[2-[[[(1*S*, 2*S*)-1-[[[(2,4-  
dimethylphenyl)methyl]amino]methyl]-2-  
(hydroxy)pentyl]amino]-2-oxoethyl]-2-[(1,1-  
dimethylethoxy)carbonyl]amino]-5-  
(trifluoromethyl)benzamide;

*N*-[2-[[[(1*S*, 2*R*)-1-[[[(2,4-  
dimethylphenyl)methyl]amino]methyl]-2-  
(hydroxy)pentyl]amino]-2-oxoethyl]-2-[(1,1-  
dimethylethoxy)carbonyl]amino]-5-  
(trifluoromethyl)benzamide;

*N*-[2-[[[(1*S*, 2*S*)-1-[[[(2,4-  
dimethylphenyl)methyl]amino]methyl]-2-

(hydroxy)pentyl]amino]-2-oxoethyl]-2-amino-5-(trifluoromethyl)benzamide;

B  
Cont 5  
N-[2-[[[(1S, 2R)-1-[[[(2,4-dimethylphenyl)methyl]amino]methyl]-2-(hydroxy)pentyl]amino]-2-oxoethyl]-2-amino-5-(trifluoromethyl)benzamide;

10 N-[2-[[[(1S, 2S)-1-[[[(2,4-dimethylphenyl)methyl]amino]methyl]-2-(hydroxy)pentyl]amino]-2-oxoethyl]-3-amino-5-(trifluoromethyl)benzamide;

15 N-[2-[[[(1S, 2R)-1-[[[(2,4-dimethylphenyl)methyl]amino]methyl]-2-(hydroxy)pentyl]amino]-2-oxoethyl]-3-amino-5-(trifluoromethyl)benzamide;

20 N-[2-[[[(1S, 2S)-1-[[[(2,4-dimethylphenyl)methyl]amino]methyl]-2-(hydroxy)pentyl]amino]-2-oxoethyl]-2-[[[(ethylamino)carbonyl]amino]-5-(trifluoromethyl)benzamide;

25 N-[2-[[[(1S, 2R)-1-[[[(2,4-dimethylphenyl)methyl]amino]methyl]-2-(hydroxy)pentyl]amino]-2-oxoethyl]-2-[[[(ethylamino)carbonyl]amino]-5-(trifluoromethyl)benzamide;

30 N-[2-[[[(1S, 2S)-1-[[[(2,4-dimethylphenyl)methyl]amino]methyl]-2-(hydroxy)pentyl]amino]-2-oxoethyl]-2-[[[(isopropylamino) carbonyl]amino]-5-(trifluoromethyl)benzamide;

35 N-[2-[[[(1S, 2R)-1-[[[(2,4-dimethylphenyl)methyl]amino]methyl]-2-(hydroxy)pentyl]amino]-2-oxoethyl]-2-

*B* 5  
Cont

[(isopropylamino) carbonyl]amino]-5-  
(trifluoromethyl)benzamide;

10 *N*-[2-[[[(1*S*, 2*S*)-1-[[[(2,4-  
dimethylphenyl)methyl]amino]methyl]-2-  
(hydroxy)pentyl]amino]-2-oxoethyl]-2-[(1-  
pyrrolidinylcarbonyl)amino]-5-  
(trifluoromethyl)benzamide;

15 *N*-[2-[[[(1*S*, 2*S*)-1-[[[(2,4-  
dimethylphenyl)methyl]amino]methyl]-2-  
(hydroxy)pentyl]amino]-2-oxoethyl]-2-[(1-  
azetidinylcarbonyl)amino]-5-  
(trifluoromethyl)benzamide;

20 *N*-[2-[[[(1*S*, 2*S*)-1-[[[(2,4-  
dimethylphenyl)methyl]amino]methyl]-2-  
(hydroxy)pentyl]amino]-2-oxoethyl]-2-  
[(methylamino)carbonyl]amino]-5-  
(trifluoromethyl)benzamide;

25 *N*-[2-[[[(1*S*, 2*R*)-1-[[[(2,4-  
dimethylphenyl)methyl]amino]methyl]-2-  
(hydroxy)pentyl]amino]-2-oxoethyl]-2-[(4-  
mopholinylcarbonyl)amino]-5-  
(trifluoromethyl)benzamide;

30 *N*-[2-[[[(1*S*, 2*R*)-1-[[[(2,4-  
dimethylphenyl)methyl]amino]methyl]-2-  
(hydroxy)pentyl]amino]-2-oxoethyl]-2-[(1-  
piperazinylcarbonyl)amino]-5-  
(trifluoromethyl)benzamide;

35 *N*-[2-[[[(1*S*, 2*S*)-1-[[[(4-ethylphenyl)methyl]amino]methyl]-  
2-(hydroxy)pentyl]amino]-2-oxoethyl]-2-[(1,1-  
dimethylethoxy)carbonyl]amino]-5-  
(trifluoromethyl)benzamide;

*B1*  
*cont*

~~*N*-[2-[(1*S*, 2*S*)-1-[[[(4-ethylphenyl)methyl]amino]methyl]-2-(hydroxy)pentyl]amino]-2-oxoethyl]-2-amino-5-(trifluoromethyl)benzamide;~~

~~*N*-[2-[(1*S*, 2*S*)-1-[[[(4-ethylphenyl)methyl]amino]methyl]-2-(hydroxy)pentyl]amino]-2-oxoethyl]-2-[(isopropylamino) carbonyl]amino]-5-(trifluoromethyl)benzamide;~~

10 ~~*N*-[2-[(1*S*, 2*S*)-1-[[[(4-ethylphenyl)methyl]amino]methyl]-2-(hydroxy)pentyl]amino]-2-oxoethyl]-2-[(4-morpholinylcarbonyl)amino]-5-(trifluoromethyl)benzamide;~~

15 ~~*N*-[2-[(1*S*, 2*S*)-1-[[[(4-dimethylamino-2-methylphenyl)methyl]amino]methyl]-2-(hydroxy)pentyl]amino]-2-oxoethyl]-2-[(1,1-dimethylethoxy)carbonyl]amino]-5-(trifluoromethyl)benzamide;~~

20 ~~*N*-[2-[(1*S*, 2*S*)-1-[[[(4-dimethylamino-2-methylphenyl)methyl]amino]methyl]-2-(hydroxy)pentyl]amino]-2-oxoethyl]-2-amino-5-(trifluoromethyl)benzamide;~~

25 ~~*N*-[2-[(1*S*, 2*S*)-1-[[[(2,4-dimethylphenyl)methyl]amino]methyl]-2-(hydroxy)pentyl]amino]-2-oxoethyl]-2-(*tert*-butyl)amino-5-(trifluoromethyl)benzamide;~~

30 ~~*N*-[2-[(1*S*, 2*S*)-1-[[[(2,4-dimethylphenyl)methyl]amino]methyl]-2-(hydroxy)pentyl]amino]-2-oxoethyl]-2-isopropylamino-5-(trifluoromethyl)benzamide;~~

35 ~~*N*-[2-[(1*S*, 2*S*)-1-[[[(2,4-dimethylphenyl)methyl]amino]methyl]-2-(hydroxy)pentyl]amino]-2-oxoethyl]-2-benzylamino-5-(trifluoromethyl)benzamide;~~

*B1* 5  
*cont*

*N*-[2-[[*(1S, 2S)*-1-[[[(2,4-dimethylphenyl)methyl]amino]methyl]-2-(methoxy)pentyl]amino]-2-oxoethyl]-2-[(1,1-dimethylethoxy)carbonyl]amino]-5-(trifluoromethyl)benzamide;

10  
*N*-[2-[[*(1S, 2S)*-1-[[[(2,4-dimethylphenyl)methyl]amino]methyl]-2-(methoxy)pentyl]amino]-2-oxoethyl]-2-amino-5-(trifluoromethyl)benzamide;

15  
*N*-[2-[[*(S)*-1-[[[(2,4-dimethylphenyl)methyl]amino]methyl]-2-hydroxy-2-(methyl)propyl]amino]-2-oxoethyl]-2-[(1,1-dimethylethoxy)carbonyl]amino]-5-(trifluoromethyl)benzamide;

20  
*N*-[2-[[*(S)*-1-[[[(2,4-dimethylphenyl)methyl]amino]methyl]-2-hydroxy-2-(methyl)propyl]amino]-2-oxoethyl]-2-amino-5-(trifluoromethyl)benzamide;

25  
*N*-[2-[[*(S)*-1-[[[(2,4-dimethylphenyl)methyl]amino]methyl]-2-hydroxy-2-(ethyl)butyl]amino]-2-oxoethyl]-2-[(1,1-dimethylethoxy)carbonyl]amino]-5-(trifluoromethyl)benzamide;

30  
*N*-[2-[[*(S)*-1-[[[(2,4-dimethylphenyl)methyl]amino]methyl]-2-hydroxy-2-(ethyl)butyl]amino]-2-oxoethyl]-2-amino-5-(trifluoromethyl)benzamide;

35  
*N*-[2-[[*(S)*-1-[[[(2,4-dimethylphenyl)methyl]amino]methyl]-2-hydroxy-2-(propyl)pentyl]amino]-2-oxoethyl]-2-[(1,1-dimethylethoxy)carbonyl]amino]-5-(trifluoromethyl)benzamide;

*N*-[2-[[*(S)*-1-[[[(2,4-dimethylphenyl)methyl]amino]methyl]-2-hydroxy-2-(propyl)pentyl]amino]-2-oxoethyl]-2-amino-5-(trifluoromethyl)benzamide;

*B*  
Cont<sup>5</sup>

*N*-[2-[[*(S*)-2-[(2,4-dimethylphenyl)methyl]amino]-1-(hydroxycyclopentyl)ethyl]amino]-2-oxoethyl]-2-[[[(1,1-dimethylethoxy)carbonyl]amino]-5-(trifluoromethyl)benzamide;

*N*-[2-[[*(S*)-1-[[*(S*)-2-[(2,4-dimethylphenyl)methyl]amino]-1-(hydroxycyclopentyl)ethyl]amino]-2-oxoethyl]-2-amino-5-(trifluoromethyl)benzamide;

10    (*2S*)-*N*-*tert*-Butyl-3-[[[(2,4-dimethylphenyl)methyl]amino]-2-[[[3-(trifluoromethoxy)benzoyl]amino]acetyl]amino]-propanamide;

15    (*2S*)-*N*-*tert*-Butyl-3-[[[(2,4-dimethylphenyl)methyl]amino]-2-[[[3-(difluoromethyl)benzoyl]amino]acetyl]amino]-propanamide;

20    (*2S*)-*N*-*tert*-Butyl-3-[[[(2,4-dimethylphenyl)methyl]amino]-2-[[[3-(trifluoromethylthio)benzoyl]amino]acetyl]amino]-propanamide;

25    (*2S*)-*N*-*tert*-Butyl-3-[[[(2,4-dimethylphenyl)methyl]amino]-2-[[[3-(pentafluoroethyl)benzoyl]amino]acetyl]amino]-propanamide;

30    (*2S*)-*N*-*tert*-Butyl-2-[[[2-amino-5-(trifluoromethoxy)benzoyl]amino]acetyl]amino]-3-[(2,4-dimethylphenyl)methyl]amino]-propanamide;

35    (*2S*)-*N*-*tert*-Butyl-2-[[[2-amino-5-(methyl)benzoyl]amino]acetyl]amino]-3-[(2,4-dimethylphenyl)methyl]amino]-propanamide;

*(2S)*-*N*-*tert*-Butyl-3-[[[(2,4-dimethylphenyl)methyl]amino]-2-[[[2-ethylamino-5-

*31*  
*Cont*  
5  
(trifluoromethyl)benzoyl]amino]acetyl]amino]-  
propanamide;

(2*S*)-*N*-*tert*-Butyl-3-[(*2,4*-dimethylphenyl)methyl]amino]-  
2-[[[2-propylamino-5-  
(trifluoromethyl)benzoyl]amino]acetyl]amino]-  
propanamide;

10 (2*S*)-*N*-*tert*-Butyl-3-[(*2,4*-dimethylphenyl)methyl]amino]-  
2-[[[2-isobutylamino-5-  
(trifluoromethyl)benzoyl]amino]acetyl]amino]-  
propanamide;

15 (2*S*)-*N*-*tert*-Butyl-2-[[[2-butylamino-5-  
(trifluoromethyl)benzoyl]amino]acetyl]amino]-3-  
[(*2,4*-dimethylphenyl)methyl]amino]-propanamide;

20 (2*S*)-*N*-*tert*-Butyl-2-[[[2-cyclohexylamino-5-  
(trifluoromethyl)benzoyl]amino]acetyl]amino]-3-  
[(*2,4*-dimethylphenyl)methyl]amino]-propanamide;

25 (2*S*)-*N*-*tert*-Butyl-3-[(*2,4*-dimethylphenyl)methyl]amino]-  
2-[[[2-isopropylamino-5-  
(trifluoromethyl)benzoyl]amino]acetyl]amino]-  
propanamide;

30 (2*S*)-*N*-*tert*-Butyl-3-[(*2,4*-dimethylphenyl)methyl]amino]-  
2-[[[2-(*tert*-butyl)amino-5-  
(trifluoromethyl)benzoyl]amino]acetyl]amino]-  
propanamide;

35 (2*S*)-*N*-*tert*-Butyl-3-[(*2,4*-dimethylphenyl)methyl]amino]-  
2-[[[2-(methylaminocarbonyl)amino-5-  
(trifluoromethyl)benzoyl]amino]acetyl]amino]-  
propanamide;

(2*S*)-*N*-*tert*-Butyl-3-[(*2,4*-dimethylphenyl)methyl]amino]-  
2-[[[2-(isopropoxycarbonyl)amino-5-

(trifluoromethyl)benzoyl]amino]acetyl]amino]-  
propanamide;

*Cont*  
~~(2S)-N-tert-Butyl-3-[[ (2,4-dimethylphenyl)methyl]amino]-  
2-[[[[2-(isopropylaminocarbonyl)amino-5-  
(trifluoromethyl)benzoyl]amino]acetyl]amino]-  
propanamide;~~

10 ~~(2S)-N-tert-Butyl-2-[[ [2-(cyclohexylcarbonyl)amino-5-  
(trifluoromethyl)benzoyl]amino]acetyl]amino]-3-  
[[ (2,4-dimethylphenyl)methyl]amino]-propanamide;~~

15 ~~(2S)-N-tert-Butyl-2-[[ [[2-benzylamino-5-  
(trifluoromethyl)benzoyl]amino]acetyl]amino]-3-  
[[ (2,4-dimethylphenyl)methyl]amino]-propanamide;~~

20 ~~(2S)-N-tert-Butyl-2-[[ [[2-(para-chloro)benzylamino-5-  
(trifluoromethyl)benzoyl]amino]acetyl]amino]-3-  
[[ (2,4-dimethylphenyl)methyl]amino]-propanamide;~~

25 ~~(2S)-N-tert-Butyl-2-[[ [[2-[(beta-naphthyl)methyl]amino-5-  
(trifluoromethyl)benzoyl]amino]acetyl]amino]-3-  
[[ (2,4-dimethylphenyl)methyl]amino]-propanamide;~~

30 ~~(2S)-N-tert-Butyl-2-[[ [[2-(meta-methyl)benzylamino-5-  
(trifluoromethyl)benzoyl]amino]acetyl]amino]-3-  
[[ (2,4-dimethylphenyl)methyl]amino]-propanamide;~~

35 ~~(2S)-N-tert-Butyl-2-[[ [[2-(para-methyl)benzylamino-5-  
(trifluoromethyl)benzoyl]amino]acetyl]amino]-3-  
[[ (2,4-dimethylphenyl)methyl]amino]-propanamide;~~

~~(2S)-N-tert-Butyl-2-[[ [[2-(ortho-methyl)benzylamino-5-  
(trifluoromethyl)benzoyl]amino]acetyl]amino]-3-  
[[ (2,4-dimethylphenyl)methyl]amino]-propanamide;~~

~~(2S)-N-tert-Butyl-3-[[ (2,4-dimethylphenyl)methyl]amino]-  
2-[[ [[2-(para-trifluoromethyl)benzylamino-5-~~

(trifluoromethyl)benzoyl]amino]acetyl]amino]-  
propanamide;

5  
B1  
Cont  
(2S)-N-tert-Butyl-2-[[[3-amino-5-  
(trifluoromethyl)benzoyl]amino]acetyl]amino]-3-  
[[[(2,4-dimethylphenyl)methyl]amino]-propanamide;

10 (2S)-N-tert-Butyl-2-[[[3-benzylamino-5-  
(trifluoromethyl)benzoyl]amino]acetyl]amino]-3-  
[[[(2,4-dimethylphenyl)methyl]amino]-propanamide;

15 (2S)-N-tert-Butyl-2-[[[3-methylamino-5-  
(trifluoromethyl)benzoyl]amino]acetyl]amino]-3-  
[[[(2,4-dimethylphenyl)methyl]amino]-propanamide;

20 (2S)-N-tert-Butyl-2-[[[3-ethylamino-5-  
(trifluoromethyl)benzoyl]amino]acetyl]amino]-3-  
[[[(2,4-dimethylphenyl)methyl]amino]-propanamide;

25 (2S)-N-tert-Butyl-2-[[[3-isobutylamino-5-  
(trifluoromethyl)benzoyl]amino]acetyl]amino]-3-  
[[[(2,4-dimethylphenyl)methyl]amino]-propanamide;

30 (2S)-N-tert-Butyl-2-[[[3-propylamino-5-  
(trifluoromethyl)benzoyl]amino]acetyl]amino]-3-  
[[[(2,4-dimethylphenyl)methyl]amino]-propanamide;

35 (2S)-N-tert-Butyl-2-[[[3-butylamino-5-  
(trifluoromethyl)benzoyl]amino]acetyl]amino]-3-  
[[[(2,4-dimethylphenyl)methyl]amino]-propanamide;

(2S)-N-tert-Butyl-2-[[[3-(trifluoromethylcarbonyl)amino-  
5-(trifluoromethyl)benzoyl]amino]acetyl]amino]-3-  
[[[(2,4-dimethylphenyl)methyl]amino]-propanamide;

(2S)-N-tert-Butyl-2-[[[3-(ethoxycarbonyl)amino-5-  
(trifluoromethyl)benzoyl]amino]acetyl]amino]-3-  
[[[(2,4-dimethylphenyl)methyl]amino]-propanamide;

3  
5  
Cont

(2S)-2-[[[2-amino-5-(trifluoromethyl)benzoyl]amino]acetyl]amino]-3-[(2-methyl-4-bromophenyl)methyl]amino]-propanamide;

10 (2S)-2-[[[2-amino-5-(trifluoromethyl)benzoyl]amino]acetyl]amino]-3-[(4-bromophenyl)methyl]amino]-propanamide;

15 (2S)-N-tert-Butyl-3-[(4-methylphenyl)methyl]amino]-2-[[[3-(trifluoromethyl)benzoyl]amino]acetyl]amino]-propanamide;

20 (2S)-N-tert-Butyl-3-[(4-bromo-2-methylphenyl)methyl]amino]-2-[[[3-(trifluoromethyl)benzoyl]amino]acetyl]amino]-propanamide;

25 (2S)-N-tert-Butyl-3-[(4-methoxyphenyl)methyl]amino]-2-[[[3-(trifluoromethyl)benzoyl]amino]acetyl]amino]-propanamide;

30 (2S)-N-tert-Butyl-3-[(4-methoxy-2-methylphenyl)methyl]amino]-2-[[[3-(trifluoromethyl)benzoyl]amino]acetyl]amino]-propanamide;

35 (2S)-N-tert-Butyl-3-[(2-methoxypyridin-5-yl)methyl]amino]-2-[[[3-(trifluoromethyl)benzoyl]amino]acetyl]amino]-propanamide;

(2S)-N-tert-Butyl-3-[(2,3-dimethyl-4-methoxyphenyl)methyl]amino]-2-[[[3-(trifluoromethyl)benzoyl]amino]acetyl]amino]-propanamide;

B 5  
cont

(2S)-*N*-*tert*-Butyl-3-[(4-cyano-2-methylphenyl)methyl]amino]-2-[[[[3-(trifluoromethyl)benzoyl]amino]acetyl]amino]-propanamide;

(2S)-*N*-*tert*-Butyl-3-[(4-ethylphenyl)methyl]amino]-2-[[[[3-(trifluoromethyl)benzoyl]amino]acetyl]amino]-propanamide;

(2S)-*N*-*tert*-Butyl-3-[(2-methyl-4-vinylphenyl)methyl]amino]-2-[[[[3-(trifluoromethyl)benzoyl]amino]acetyl]amino]-propanamide;

(2S)-*N*-*tert*-Butyl-3-[(4-ethyl-2-methylphenyl)methyl]amino]-2-[[[[3-(trifluoromethyl)benzoyl]amino]acetyl]amino]-propanamide;

(2S)-*N*-*tert*-Butyl-3-[(4-isopropylphenyl)methyl]amino]-2-[[[[3-(trifluoromethyl)benzoyl]amino]acetyl]amino]-propanamide;

(2S)-*N*-*tert*-Butyl-3-[(4-butylphenyl)methyl]amino]-2-[[[[3-(trifluoromethyl)benzoyl]amino]acetyl]amino]-propanamide;

(2S)-*N*-*tert*-Butyl-3-[(4-dimethylaminophenyl)methyl]amino]-2-[[[[3-(trifluoromethyl)benzoyl]amino]acetyl]amino]-propanamide;

(2S)-*N*-*tert*-Butyl-3-[(4-dimethylamino-2-methylphenyl)methyl]amino]-2-[[[[3-(trifluoromethyl)benzoyl]amino]acetyl]amino]-propanamide;

*B* 5  
Cont  
(2*S*)-*N*-*tert*-Butyl-3-[(4-methylthiophenyl)methyl]amino]-  
2-[[3-(trifluoromethyl)benzoyl]amino]acetyl]amino]-  
propanamide;

(2*S*)-*N*-*tert*-Butyl-3-[(4-methylsulfonylphenyl)methyl]amino]-2-[[3-(trifluoromethyl)benzoyl]amino]acetyl]amino]-  
propanamide;

10 (2*S*)-*N*-*tert*-Butyl-3-[(4-trifluoromethoxyphenyl)methyl]amino]-2-[[3-(trifluoromethyl)benzoyl]amino]acetyl]amino]-  
propanamide;

15 (2*S*)-*N*-*tert*-Butyl-3-[(3-amino-4-methylphenyl)methyl]amino]-2-[[3-(trifluoromethyl)benzoyl]amino]acetyl]amino]-  
propanamide;

20 (2*S*)-*N*-*tert*-Butyl-3-[(indol-3-yl)methyl]amino]-2-[[3-(trifluoromethyl)benzoyl]amino]acetyl]amino]-  
propanamide;

25 (2*S*)-*N*-*tert*-Butyl-3-[(2-methylphenyl)methyl]amino]-2-  
[[3-(trifluoromethyl)benzoyl]amino]acetyl]amino]-  
propanamide;

30 (2*S*)-*N*-*tert*-Butyl-3-[(2-ethylphenyl)methyl]amino]-2-  
[[3-(trifluoromethyl)benzoyl]amino]acetyl]amino]-  
propanamide;

35 (2*R*)-*N*-Ethyl-3-[(2,4-dimethylphenyl)methyl]amino]-2-  
[[3-(trifluoromethyl)benzoyl]amino]acetyl]amino]-  
propanamide;

(2*R*)-*N*-*tert*-Butyl-3-[(2,4-dimethylphenyl)methyl]amino]-  
2-[[3-

*31*  
Cont<sup>5</sup>  
~~(trifluoromethyl)benzoyl]amino]acetyl]amino]-  
propanamide;~~

~~(2R)-N-[(2-methyl)hydroxyprop-2-yl]-3-[[[(2,4-  
dimethylphenyl)methyl]amino]-2-[[[[3-  
(trifluoromethyl)benzoyl]amino]acetyl]amino]-  
propanamide;~~

~~(2S)-N-tert-Amyl-3-[[[(2,4-dimethylphenyl)methyl]amino]-2-  
[[[[3-(trifluoromethyl)benzoyl]amino]acetyl]amino]-  
propanamide;~~

~~(2S)-N-[(2-methyl)hydroxyprop-2-yl]-3-[[[(2,4-  
dimethylphenyl)methyl]amino]-2-[[[[3-  
(trifluoromethyl)benzoyl]amino]acetyl]amino]-  
propanamide;~~

~~(2S)-N-[(1-methyl)cycloprop-1-yl]-3-[[[(2,4-  
dimethylphenyl)methyl]amino]-2-[[[[3-  
(trifluoromethyl)benzoyl]amino]acetyl]amino]-  
propanamide;~~

~~(2S)-N-Cyclopentyl-3-[[[(2,4-dimethylphenyl)methyl]amino]-  
2-[[[[3-  
(trifluoromethyl)benzoyl]amino]acetyl]amino]-  
propanamide;~~

~~(2S)-N-Cyclohexyl-3-[[[(2,4-dimethylphenyl)methyl]amino]-  
2-[[[[3-  
(trifluoromethyl)benzoyl]amino]acetyl]amino]-  
propanamide;~~

~~(2S)-N-( $\beta$ , $\beta$ , $\beta$ -Trifluoro)ethyl-3-[[[(2,4-  
dimethylphenyl)methyl]amino]-2-[[[[3-  
(trifluoromethyl)benzoyl]amino]acetyl]amino]-  
propanamide;~~

*(2S)-N-Allyl-3-[(2,4-dimethylphenyl)methyl]amino]-2-  
[[[3-(trifluoromethyl)benzoyl]amino]acetyl]amino]-  
propanamide;*

*Cont*

*(2S)-N-Cyclopropylmethyl-3-[(2,4-  
dimethylphenyl)methyl]amino]-2-[[[3-  
(trifluoromethyl)benzoyl]amino]acetyl]amino]-  
propanamide;*

10 *N-[2-[(2S)-3-[(2,4-dimethylphenyl)methyl]amino]-1-  
(pyrrolid-3-enyl)-1-oxopropyl-2-amino]-2-oxoethyl]-  
3-(trifluoromethyl)benzamide;*

15 *N-[2-[(2S)-3-[(2,4-dimethylphenyl)methyl]amino]-1-  
(pyrrolidinyl)-1-oxopropyl-2-amino]-2-oxoethyl]-3-  
(trifluoromethyl)benzamide;*

20 *N-[2-[(2S)-3-[(2,4-dimethylphenyl)methyl]amino]-1-  
(morpholinyl)-1-oxopropyl-2-amino]-2-oxoethyl]-3-  
(trifluoromethyl)benzamide;*

25 *(2S)-N-Isobutyl-3-[(2,4-dimethylphenyl)methyl]amino]-2-  
[[[3-(trifluoromethyl)benzoyl]amino]acetyl]amino]-  
propanamide;*

*(2S)-N-sec-Butyl-3-[(2,4-dimethylphenyl)methyl]amino]-2-  
[[[3-(trifluoromethyl)benzoyl]amino]acetyl]amino]-  
propanamide;*

30 *(2S)-N-tert-Butyl-4-[(2,4-dimethylphenyl)methyl]amino]-  
3-[[3-(trifluoromethyl)benzoyl]amino]acetyl]amino]-  
butanamide;*

35 *(2S,3R)-N-Ethyl-3-[(2,4-dimethylphenyl)methyl]amino]-2-  
[[[3-(trifluoromethyl)benzoyl]amino]acetyl]amino]-  
butanamide;*

*B1*  
Cont<sup>5</sup>

(2*S*, 3*R*)-*N*-Ethyl-3-[[[(4-bromophenyl)methyl]amino]-2-[[[[3-(trifluoromethyl)benzoyl]amino]acetyl]amino]-butanamide;

Methyl (2*R*)-2-[[[(2,4-dimethylphenyl)methyl]amino]-3-[[[[3-(trifluoromethyl)benzoyl]amino]acetyl]amino]-propanoate;

10 (2*R*)-*N*-Ethyl-2-[[[(2,4-dimethylphenyl)methyl]amino]-3-[[[[3-(trifluoromethyl)benzoyl]amino]acetyl]amino]-propanamide;

15 Methyl (2*S*)-4-[[[(2,4-dimethylphenyl)methyl]amino]-2-[[[[3-(trifluoromethyl)benzoyl]amino]acetyl]amino]-butanoate;

20 (2*S*)-4-[[[(2,4-dimethylphenyl)methyl]amino]-2-[[[[3-(trifluoromethyl)benzoyl]amino]acetyl]amino]-butanamide;

25 (2*S*)-*N*-Ethyl-4-[[[(2,4-dimethylphenyl)methyl]amino]-2-[[[[3-(trifluoromethyl)benzoyl]amino]acetyl]amino]-butanamide;

30 (2*S*)-*N*-Ethyl-4-[[[(2,4-dimethylphenyl)methyl]methylamino]-2-[[[[3-(trifluoromethyl)benzoyl]amino]acetyl]amino]-butanamide;

35 (2*S*)-*N*-tert-Butyl-2-[[[[2-[(1,1-dimethylethoxy)carbonyl]amino]-5-(trifluoromethyl)benzoyl]amino]acetyl]amino]-4-[[[(2,4-dimethylphenyl)methyl]amino]-butanamide;

(2*S*)-*N*-tert-Butyl-2-[[[[2-[(1,1-dimethylethoxy)carbonyl]amino]-5-(trifluoromethyl)benzoyl]amino]acetyl]amino]-4-[[[(2,4-dimethylphenyl)methyl]methylamino]-butanamide;

~~(2S)-N-tert-Butyl-2-[[[2-amino-5-(trifluoromethyl)benzoyl]amino]acetyl]amino]-4-[(2,4-dimethylphenyl)methyl]amino]-butanamide;~~

5  
Cont 5

*(2S)-N-tert-Butyl-2-[[[2-amino-5-(trifluoromethyl)benzoyl]amino]acetyl]amino]-4-[[[(2,4-dimethylphenyl)methyl]methylamino]butanamide;*

10

~~(2S)-N-tert-Butyl-2-[[[[3-amino-5-(trifluoromethyl)benzoyl]amino]acetyl]amino]-4-[(2,4-dimethylphenyl)methyl]amino]-butanamide;~~

15

(2S)-N-tert-Butyl-2-[[[[3-amino-5-(trifluoromethyl)benzoyl]amino]acetyl]amino]-4-[(4-ethylphenyl)methyl]amino]-butanamide;

20

*(2S)-N-tert-Butyl-4-[(2,4-dimethylphenyl)methyl]amino-2-[[[[3-(trifluoromethyl)benzoyl]amino]acetyl]amino]butanamide;*

25

*(2S)-N-tert-Butyl-4-[[[(4-ethylphenyl)methyl]amino]-2-  
[[[[3-(trifluoromethyl)benzoyl]amino]acetyl]amino]-  
butanamide:*

30

(2S)-N-Ethyl-5-[(2,4-dimethylphenyl)methyl]amino]-2-  
[[[[3-(trifluoromethyl)benzoyl]amino]acetyl]amino]-  
pentanamide;

35

*N*-[2-[[[(1*S*, 2*S*/R)-1-[[[(2,4-dimethylphenyl)methyl]methylamino]methyl]-2-hydroxy-3-(methylbutyl)amino]-2-oxoethyl]-3-(trifluoromethyl)benzamide;

*N*-[2-[[[(1*S*, 2*S*)-1-[[[(2,4-  
dimethylphenyl)methyl]methylamino)methyl]-2-  
(hydroxy)pentyl]amino]-2-oxoethyl]-2-

*B* 5  
cont  
[(isopropylamino) carbonyl]amino]-5-  
(trifluoromethyl)benzamide;

10 *N*-[2-[[[(1*S*, 2*S*)-1-[[[(2, 4-  
dimethylphenyl)methyl]isopropylamino]methyl]-2-  
(hydroxy)pentyl]amino]-2-oxoethyl]-2-  
[(isopropylamino) carbonyl]amino]-5-  
(trifluoromethyl)benzamide;

15 *N*-[2-[[[(1*S*, 2*S*)-1-[[[(4-  
ethylphenyl)methyl]methylamino]methyl]-2-  
(hydroxy)pentyl]amino]-2-oxoethyl]-2-  
[(isopropylamino) carbonyl]amino]-5-  
(trifluoromethyl)benzamide;

20 *N*-[2-[[[(1*S*, 2*S*)-1-[[[(4-  
ethylphenyl)methyl]isopropylamino]methyl]-2-  
(hydroxy)pentyl]amino]-2-oxoethyl]-2-  
[(isopropylamino) carbonyl]amino]-5-  
(trifluoromethyl)benzamide;

25 (2*S*)-*N*-*tert*-Butyl-3-[(2, 4-  
dimethylphenyl)methyl]methylamino]-2-[[[(3-  
(trifluoromethyl)benzoyl]amino]acetyl]amino]-  
propanamide;

30 *N*-[2-[[1-[[[(2, 4-  
dimethylphenyl)methyl]amino]methyl]cyclohexyl]amino]-  
-2-oxoethyl]-3-(trifluoromethyl)benzamide;

35 *N*-[2-[[1-[[[(4-  
chlorophenyl)methyl]amino]methyl]cyclohexyl]amino]-  
-2-oxoethyl]-3-(trifluoromethyl)benzamide;

35 *N*-[2-[[1-[[[(2, 4-  
dimethylphenyl)methyl]amino]methyl]cyclopentyl]amino]-  
-2-oxoethyl]-3-(trifluoromethyl)benzamide;

*R*  
*cont*<sup>5</sup>

*N*-[2-[[1-[[[(2,4-  
dimethylphenyl)methyl]amino]methyl]cyclopentyl]amino  
]-2-oxoethyl]-2-[(1,1-  
dimethylethoxy)carbonyl]amino]-5-  
(trifluoromethyl)benzamide;

10 *N*-[2-[[1-[[[(2,4-  
dimethylphenyl)methyl]amino]methyl]cyclopropyl]amino  
]-2-oxoethyl]-2-[(1,1-  
dimethylethoxy)carbonyl]amino]-5-  
(trifluoromethyl)benzamide;

15 *N*-[2-[[1-[[[(2,4-  
dimethylphenyl)methyl]amino]methyl]cyclopropyl]amino  
]-2-oxoethyl]-2-amino-5-(trifluoromethyl)benzamide;  
and

20 (2*S*)-*N*-Ethyl-3-[(2,4-dimethylphenyl)methyl]amino]-2-  
[[[(2-amino-5-(trifluoromethyl)benzoyl]amino]acetyl]  
amino]-2-methyl-propanamide.

25 15. A pharmaceutical composition, comprising a  
pharmaceutically acceptable carrier and a therapeutically  
effective amount of a compound of claim 1.

30 16. A method for modulation of chemokine or  
chemokine receptor activity comprising administering to a  
patient in need thereof a therapeutically effective  
amount of a compound of claim 1.

35 17. A method for modulation of MCP-1, MCP-2, MCP-3  
and MCP-4, and MCP-5 activity that is mediated by the  
CCR2 receptor comprising administering to a patient in  
need thereof a therapeutically effective amount of a  
compound of claim 1.

18. A method for modulation of MCP-1 activity  
comprising administering to a patient in need thereof a

therapeutically effective amount of a compound of claim

1.

19. A method for treating or preventing disorders, comprising administering to a patient in need thereof a therapeutically effective amount of a compound of claims 1, said disorders being selected from osteoarthritis, aneurism, fever, cardiovascular effects, Crohn's disease, congestive heart failure, autoimmune diseases, HIV-infection, HIV-associated dementia, psoriasis, idiopathic pulmonary fibrosis, transplant arteriosclerosis, physically- or chemically-induced brain trauma, inflammatory bowel disease, alveolitis, colitis, systemic lupus erythematosus, nephrotoxic serum nephritis, glomerularnephritis, asthma, multiple sclerosis, atherosclerosis, and rheumatoid arthritis.

20. The method for treating or preventing disorders, of claim 19, wherein said disorders being selected from psoriasis, idiopathic pulmonary fibrosis, transplant arteriosclerosis, physically- or chemically-induced brain trauma, inflammatory bowel disease, alveolitis, colitis, systemic lupus erythematosus, nephrotoxic serum nephritis, glomerularnephritis, asthma, multiple sclerosis, atherosclerosis, and rheumatoid arthritis.

21. The method for treating or preventing disorders, of claim 20, wherein said disorders being selected from alveolitis, colitis, systemic lupus erythematosus, nephrotoxic serum nephritis, glomerularnephritis, asthma, multiple sclerosis, atherosclerosis, and rheumatoid arthritis.

*RI*  
*cont*

22. The method for treating or preventing disorders, of claim 21, wherein said disorders being selected from asthma, multiple sclerosis, atherosclerosis, and rheumatoid arthritis.

23. A method for treating or preventing rheumatoid arthritis, comprising administering to a patient in need thereof a therapeutically effective amount of a compound of claim 1.

10

24. A method for treating or preventing multiple sclerosis, comprising administering to a patient in need thereof a therapeutically effective amount of a compound of claim 1.

15

25. A method for treating or preventing atherosclerosis, comprising administering to a patient in need thereof a therapeutically effective amount of a compound of claim 1.

20

26. A method for treating or preventing asthma, comprising administering to a patient in need thereof a therapeutically effective amount of a compound of claim 1.

25

27. A method for treating or preventing inflammatory diseases, comprising administering to a patient in need thereof a therapeutically effective amount of a compound of claim 1.

30

28. A method for modulation of CCR2 activity comprising administering to a patient in need thereof a therapeutically effective amount of a compound of claim 1.